

*California Department of Transportation  
Division of Maintenance*

***Structure Maintenance and Investigations***

---

**B**<sub>RIDGE</sub>

**I**<sub>NSPECTION</sub>

**R**<sub>ECORDS</sub>

**I**<sub>NFORMATION</sub>

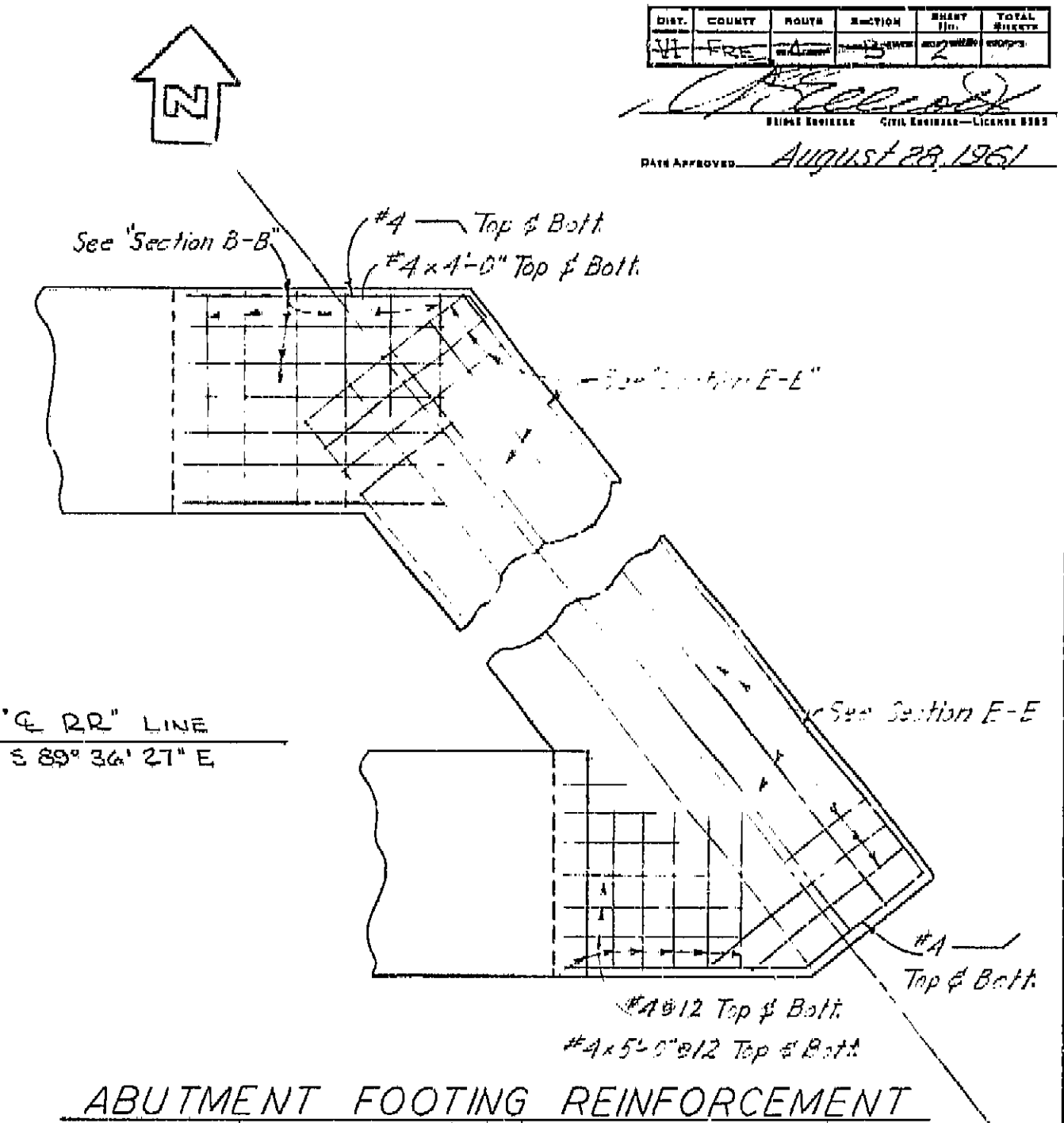
**S**<sub>YSTEM</sub>

---

The requested documents have been generated by BIRIS.

These documents are the property of the California Department of Transportation and should be handled in accordance with Deputy Directive 55 and the State Administrative Manual.

Records for “Confidential” bridges may only be released outside the Department of Transportation upon execution of a confidentiality agreement.


$$L'' = I - O''$$

### GENERAL NOTES

### Specifications

Design: A.A.S.H.O. dated 1957 with revisions and as supplemented by Bridge Planning and Design Manual

American Railway Engineering Association, current issue, for railroad.

Construction: Standard Specifications, Division of Highways,  
dated January 1960 and the Special Provisions.

Live Loading: E-72

Unit Stresses:

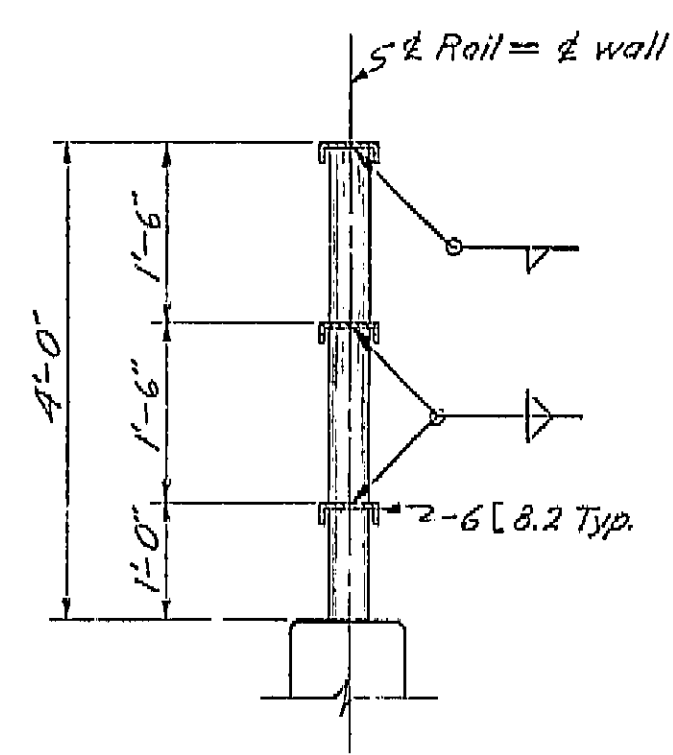
Reinforced Concrete:  $F_s = 20,000 \text{ P.S.I.}$ ,  $N=10$   
 $F_c = 4,200 \text{ P.S.I.}$

Structural Steel:  $F_s = 18,000 \text{ P.S.I.}$

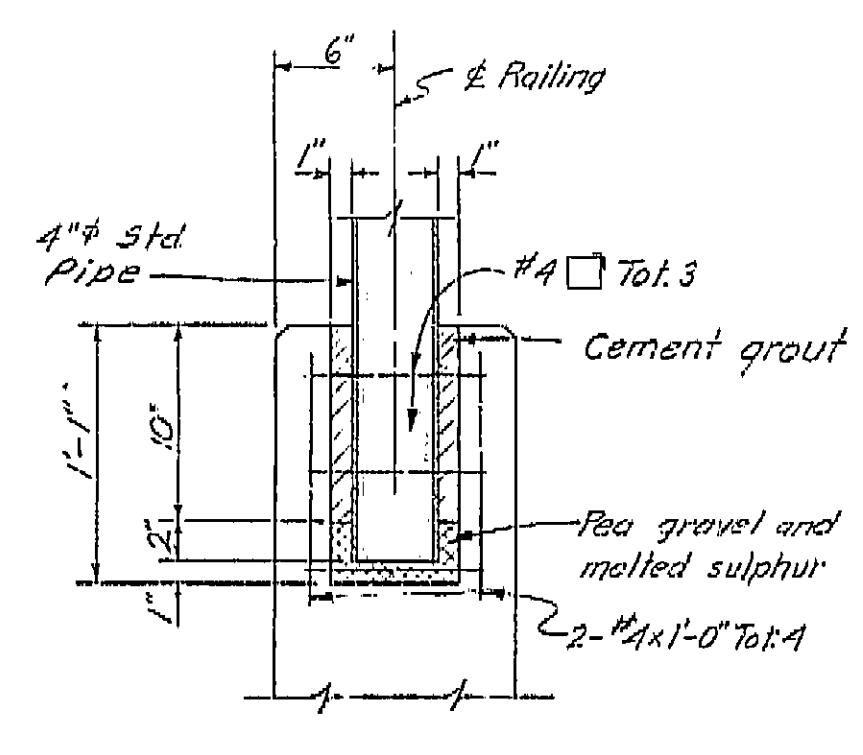
Pile Loading: 45 Tons      Type: Concrete Class II

Riveting: 3" Rivets, 3" High strength bolts may be used in lieu of field rivets.

Steel: All main material, including web plates, flange angles, cover plates, floor beams and rivets shall be copper bearing steel containing not less than 0.2% copper.



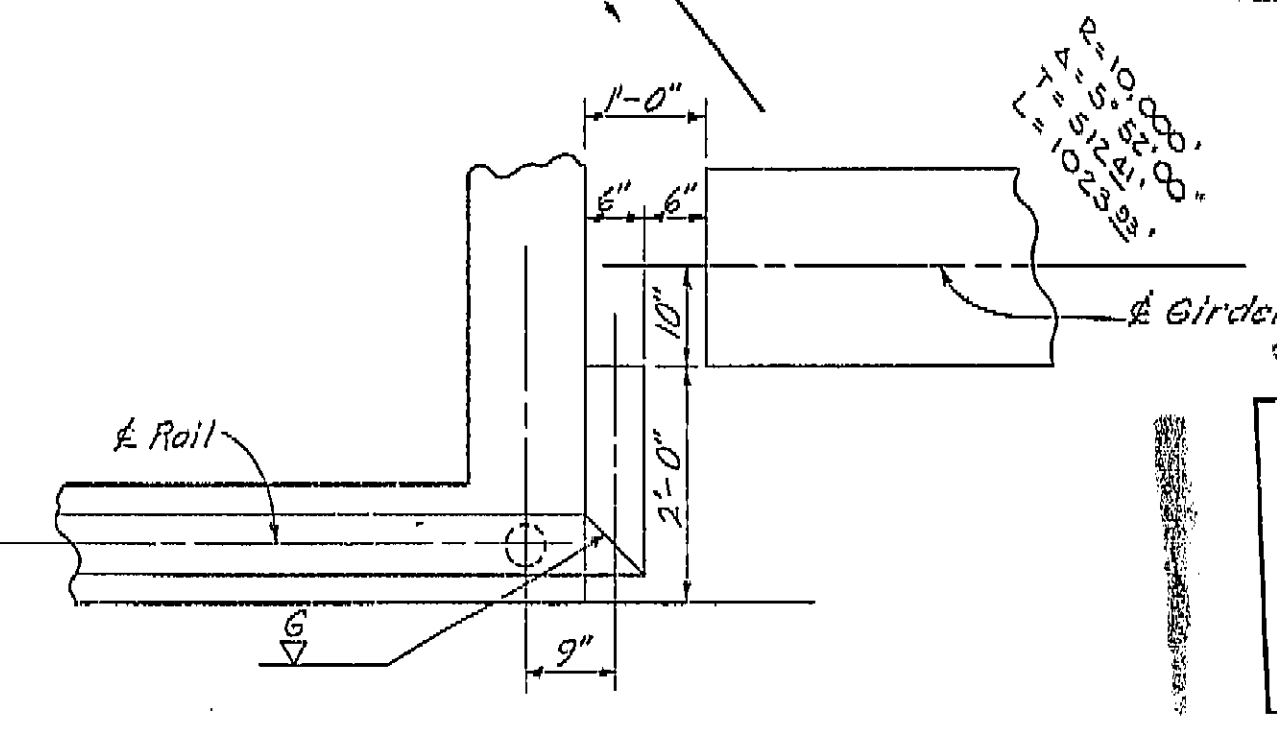
RAILING SECTION  
3/4" = 1'-0"



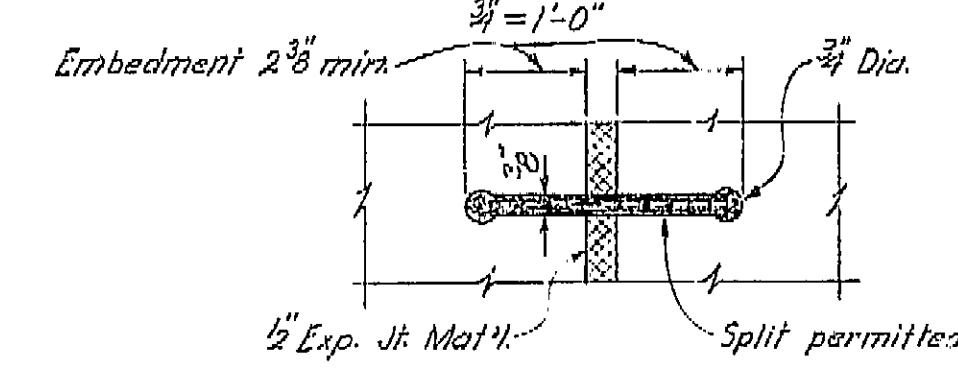
POST ANCHORAGE  
1/2" = 1'-0"

### RAILING DETAILS

*Railing to be galvanized after fabrication*

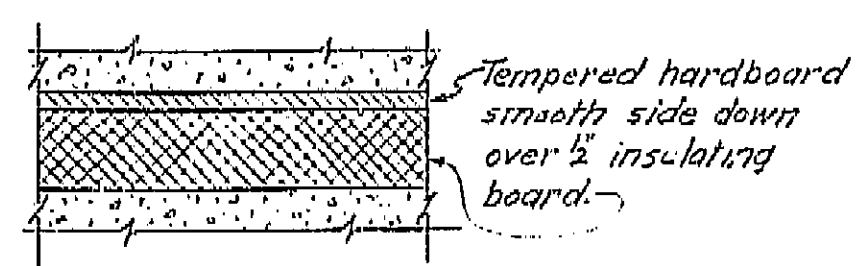
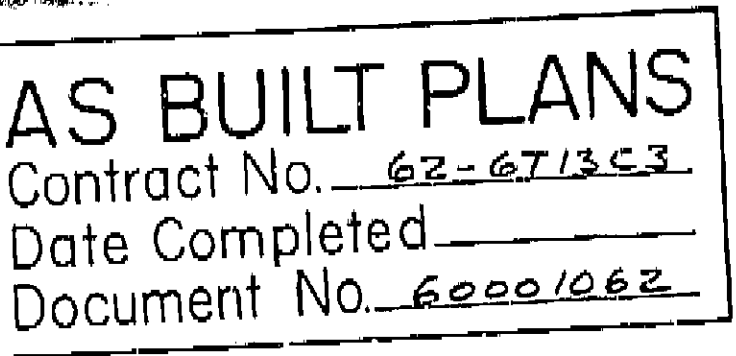


RAILING PART PLAN



RUBBER WATERSTOP  
DETAIL W-1

Note: For details of "Alternative Waterstop"  
see "Standard Details No. 1" sheet  
"Route 4 On Ramp AC."



DETAIL M-1

BM "A" (Orange Ave OC)  
Fid-RE spike in PP 17 Lt  
E Orange 224  
EL 286 1/2

BM #25.2  
Fid-"B" on E end of N hdwl  
of culv under Santa Fe track  
@ Orange Ave  
Set EL 285 3/4

1120 REON COLORADO 1935 11

BRIDGE DEPARTMENT

DESIGN SECTION

Project Designer: Eng. E. J. Martinez

Chief Designer: M. J. Martinez

DESIGN	By <u>EEG. Cassiano</u>	Checked <u>W. H. H.</u>
DETAILS	By <u>H. N. Dahl</u>	Checked <u>W. H. H.</u>
QUANTITIES	By <u>W. A. Smith</u>	Checked <u>M. Camacho</u>
SPECIFICATIONS		Drawn and Designed

Approval Recommended by: Re. B. L.

Reviewed by: \_\_\_\_\_

Checked by: \_\_\_\_\_

Stamp: 54.17

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF HIGHWAYS

WEST CALWA SPUR UNDERPASS

## FOUNDATION PLAN

Project No. <b>5415</b>	SCALE <b>1" = 20'</b>	BRIDGE <b>42-212</b>	FILE <b>E-12</b>	DRAWING <b>C-6739-2</b>
-------------------------	-----------------------	----------------------	------------------	-------------------------

PREL. DRAWING NO. P-6739 X 12/19/86 356/13 PR 6739-3479

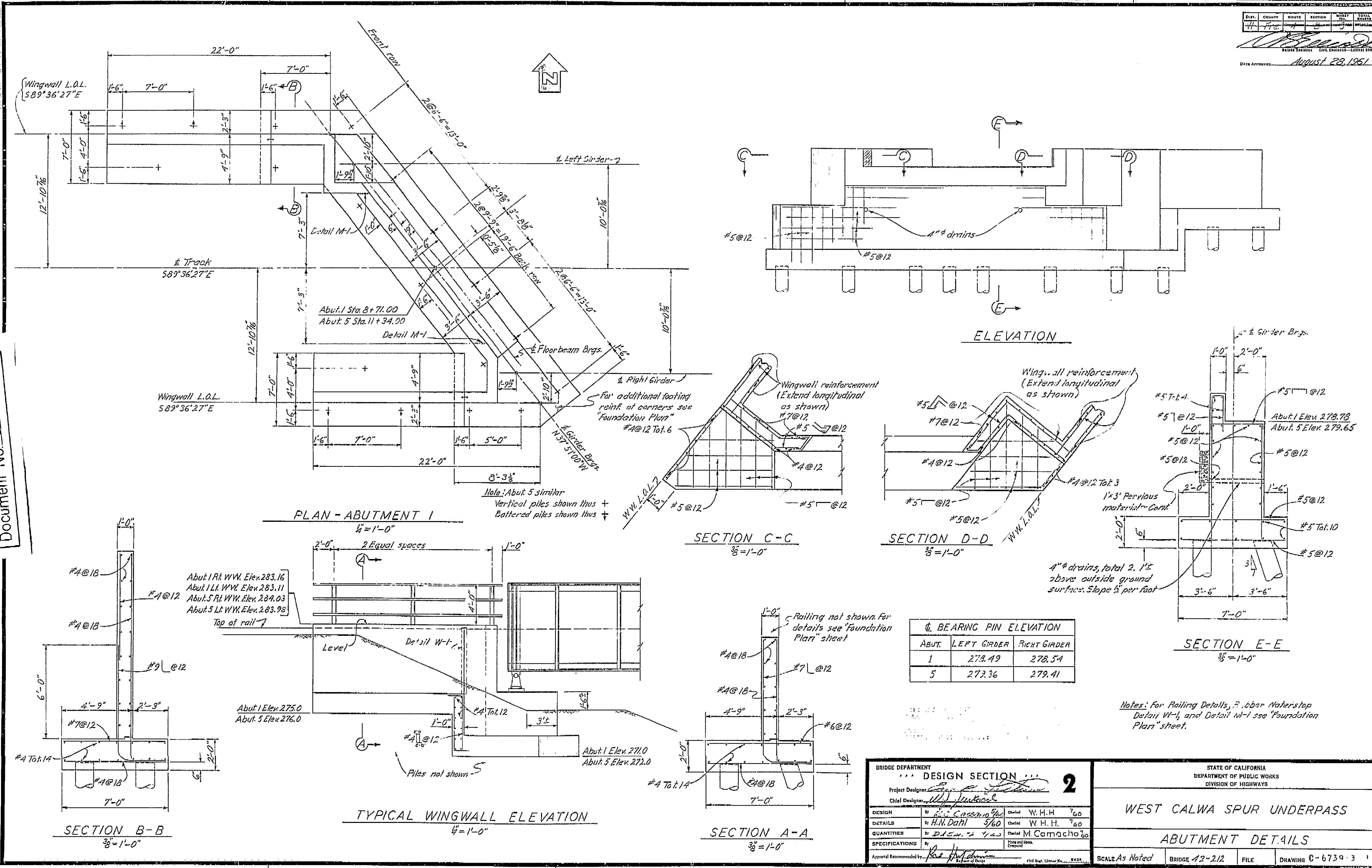
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN  
UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO  
AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-82 SIGNATURE [Signature] TITLE [Title]



AS BUILT PLANS  
Contract No. 62-6713C3  
Date Completed  
Document No. 60001062

VI Fre 99		U-006-2(6) F-006-2(5)		FED. ROAD DIST. NO. 7		STATE CALIF.		F. A. PROJECT NO.		SHEET NO. 249		TOTAL SHEETS 424	
DIST. COUNTY ROUTE SECTION		WHEELY ROAD		TOTAL PROJECT		DATE APPROVED August 29, 1961		BRIDGE ENGINEER		LICENSED			

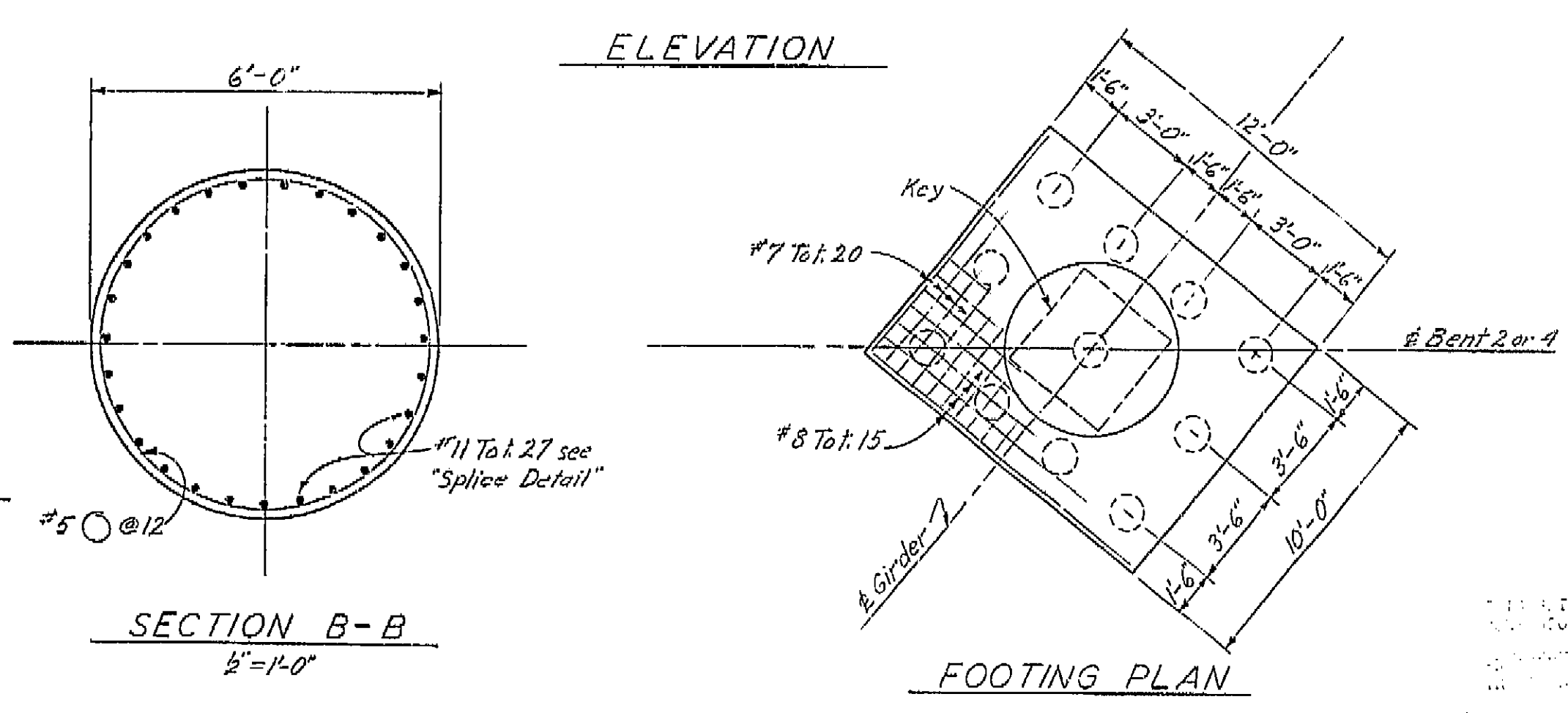
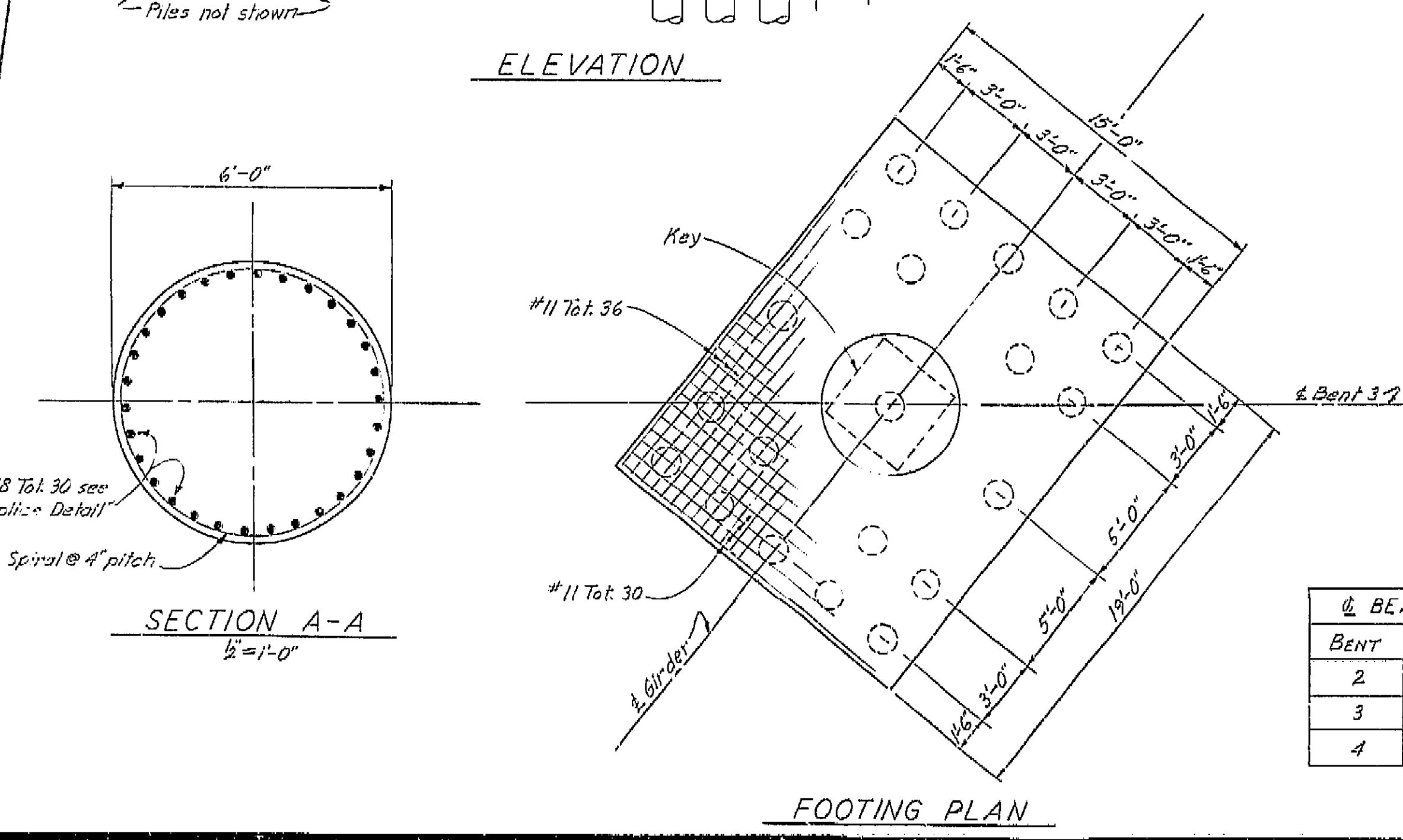
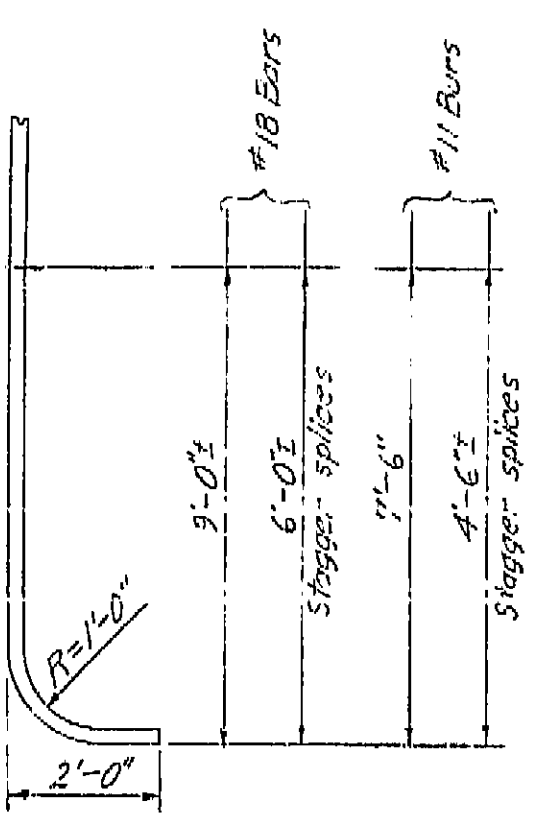
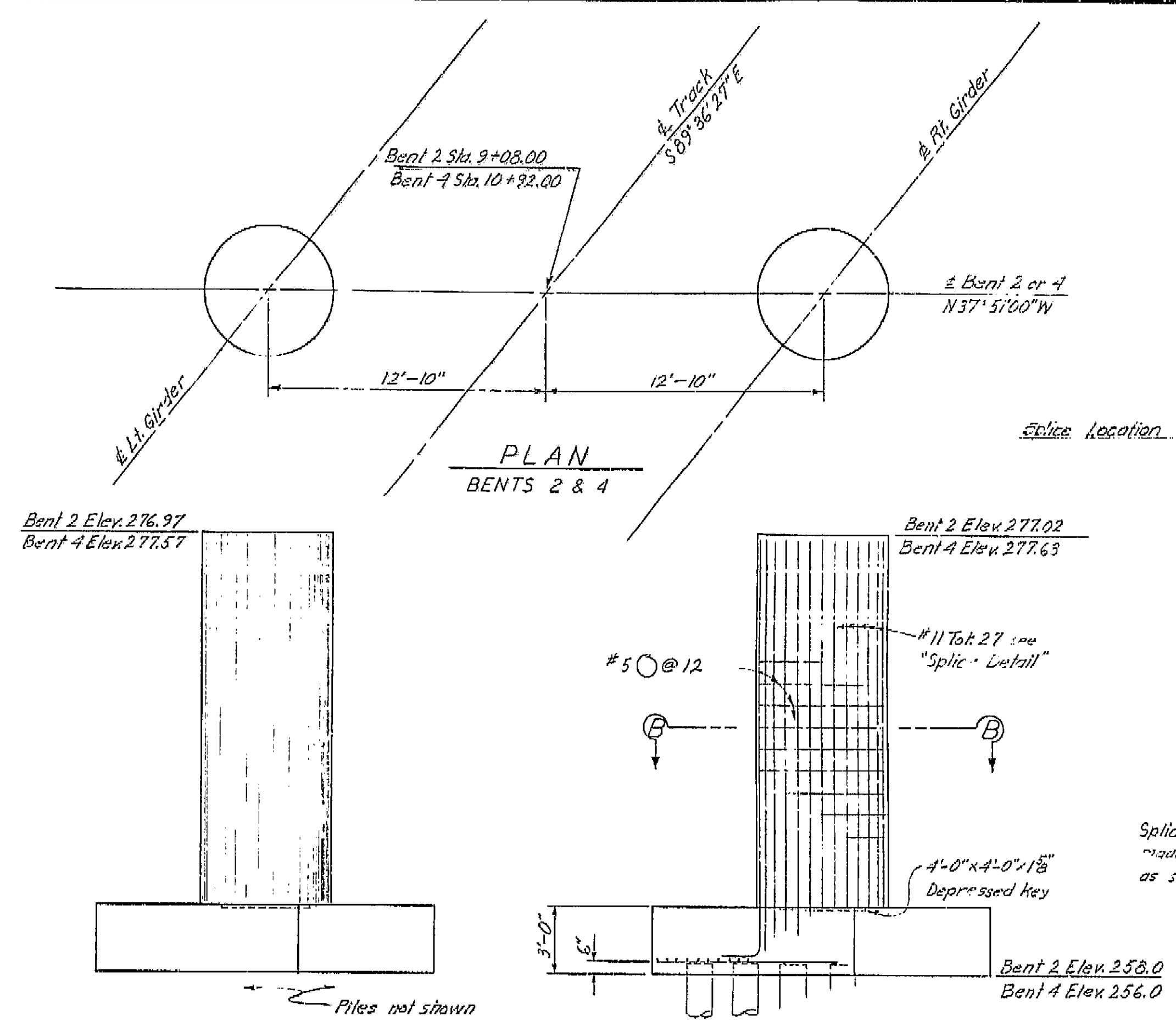
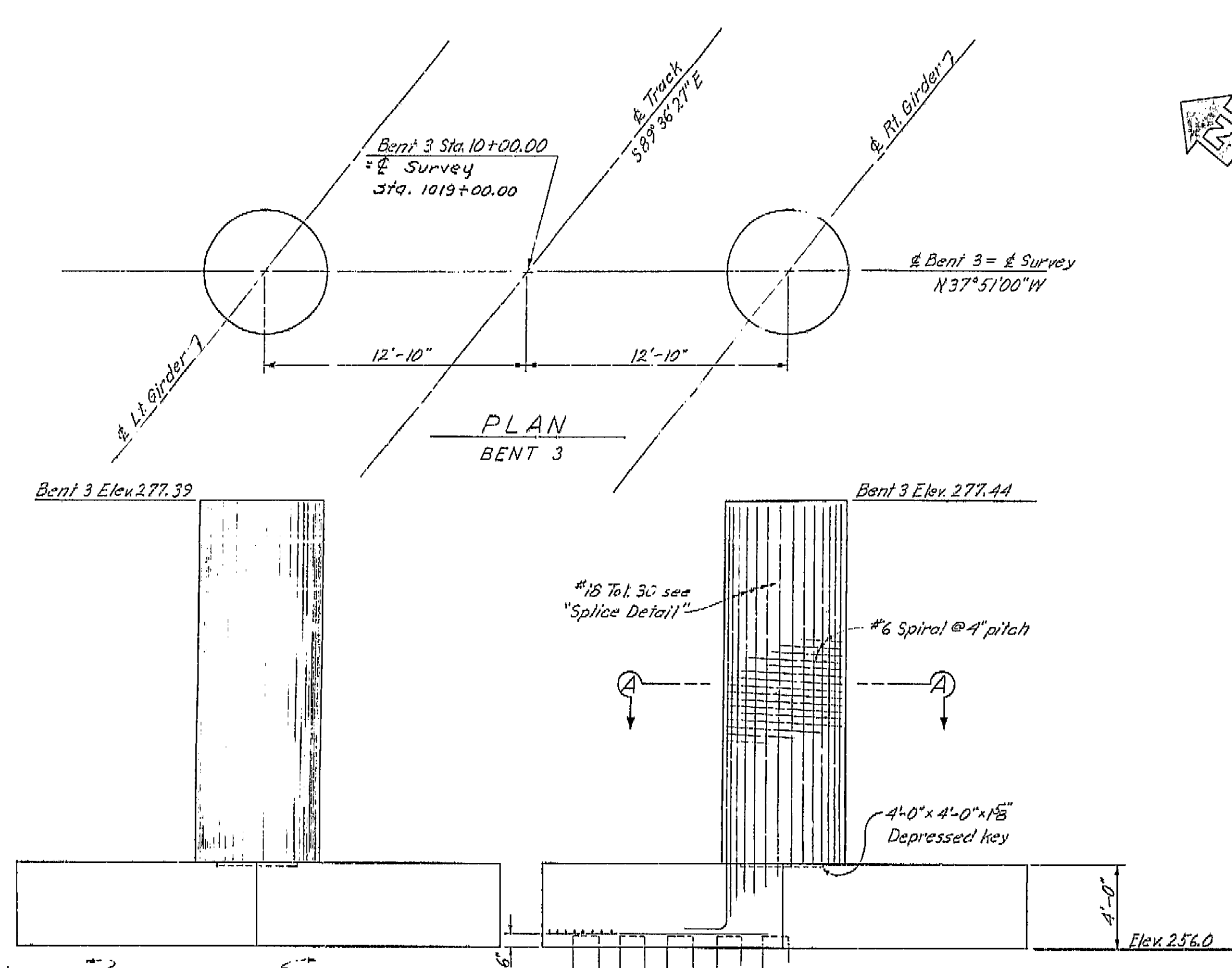


I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE: 1-12-72 SIGNATURE: [Signature] TITLE: [Title]



VI Fre 99		U-006-2(6) U-006-2(5)	FED. ROAD DIST. NO. 7	STATE CALIF.	PROJECT NO.	SHEET NO. 249	TOTAL SHEETS 424
DIST. 17	COUNTY Fresno	ROUTE 99	SECTION	SHEET NO.	TOTAL SHEETS		
DATE APPROVED August 28, 1951							



BENT	LEFT GIRDER	RIGHT GIRDER
2	278.61	278.67
3	278.91	278.97
4	279.21	279.27

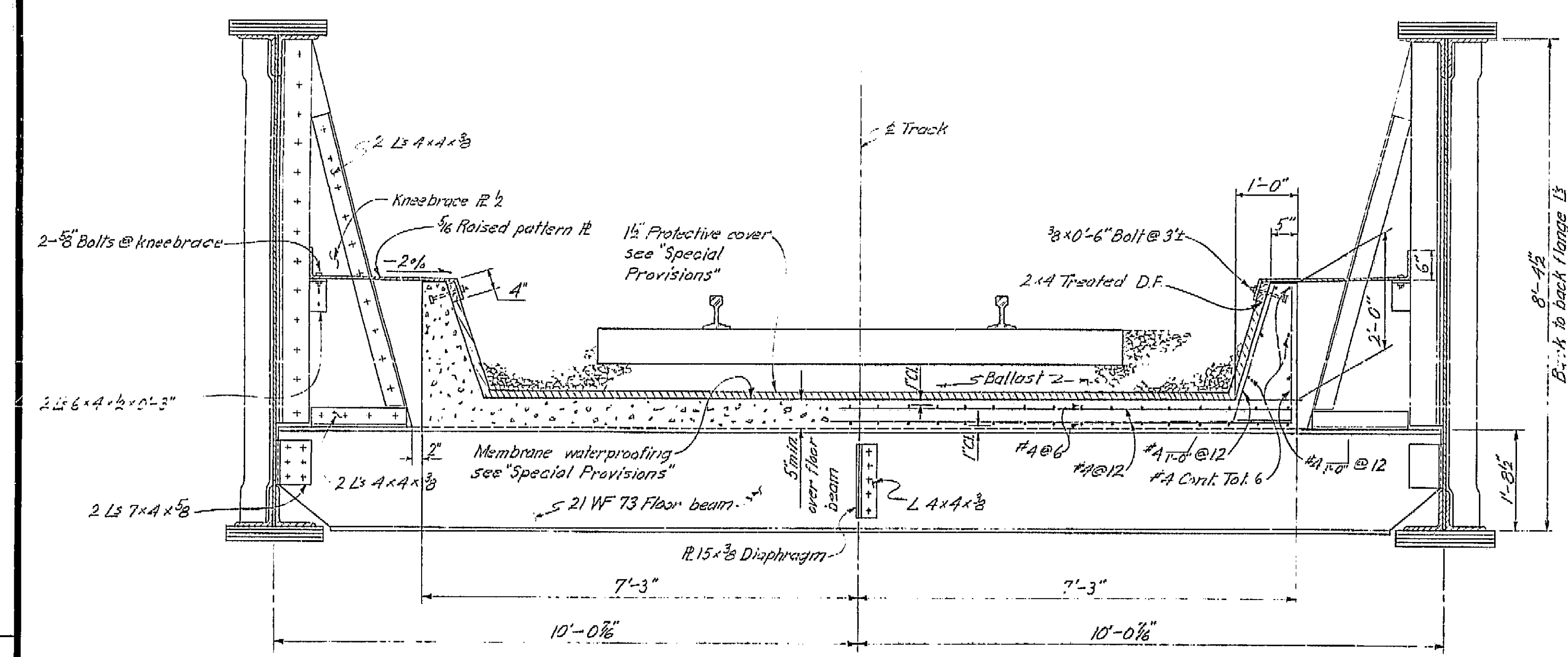
BRIDGE DEPARTMENT		STATE OF CALIFORNIA	
DESIGN SECTION 2		DEPARTMENT OF PUBLIC WORKS	
Project Designer: <i>[Signature]</i>		DIVISION OF HIGHWAYS	
Chief Designer: <i>[Signature]</i>		WEST CALWA SPUR UNDERPASS	
DESIGN	By: <i>[Signature]</i> 960	Checked: W.H.H. 960	BENT DETAILS
DETAILS	By: <i>[Signature]</i> 960	Checked: W.H.H. 960	
QUANTITIES	By: <i>[Signature]</i> 960	Checked: M. Camacho 960	
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
Approval Recommended by: <i>[Signature]</i>		PREL. DRAWING NO. P. 6239 X 4 58	

AS BUILT PLANS  
Contract No. 62-6713C3  
Date Completed  
Document No. 60001062

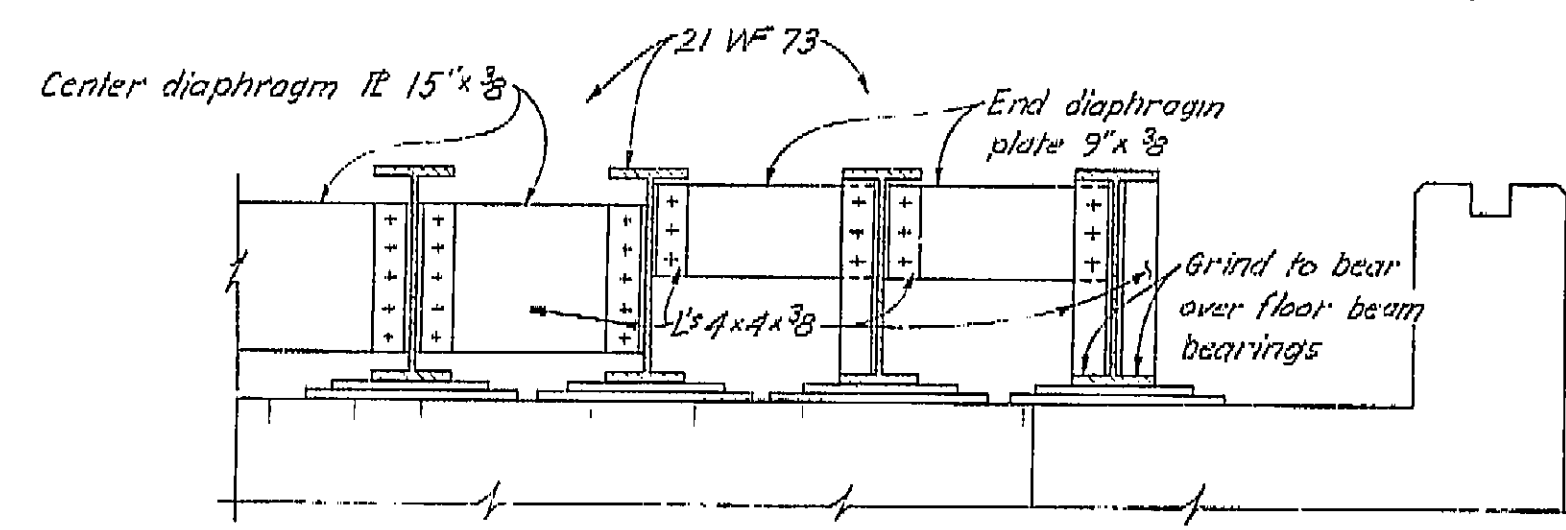
I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-11-73 SIGNATURE *[Signature]* TITLE *[Title]*

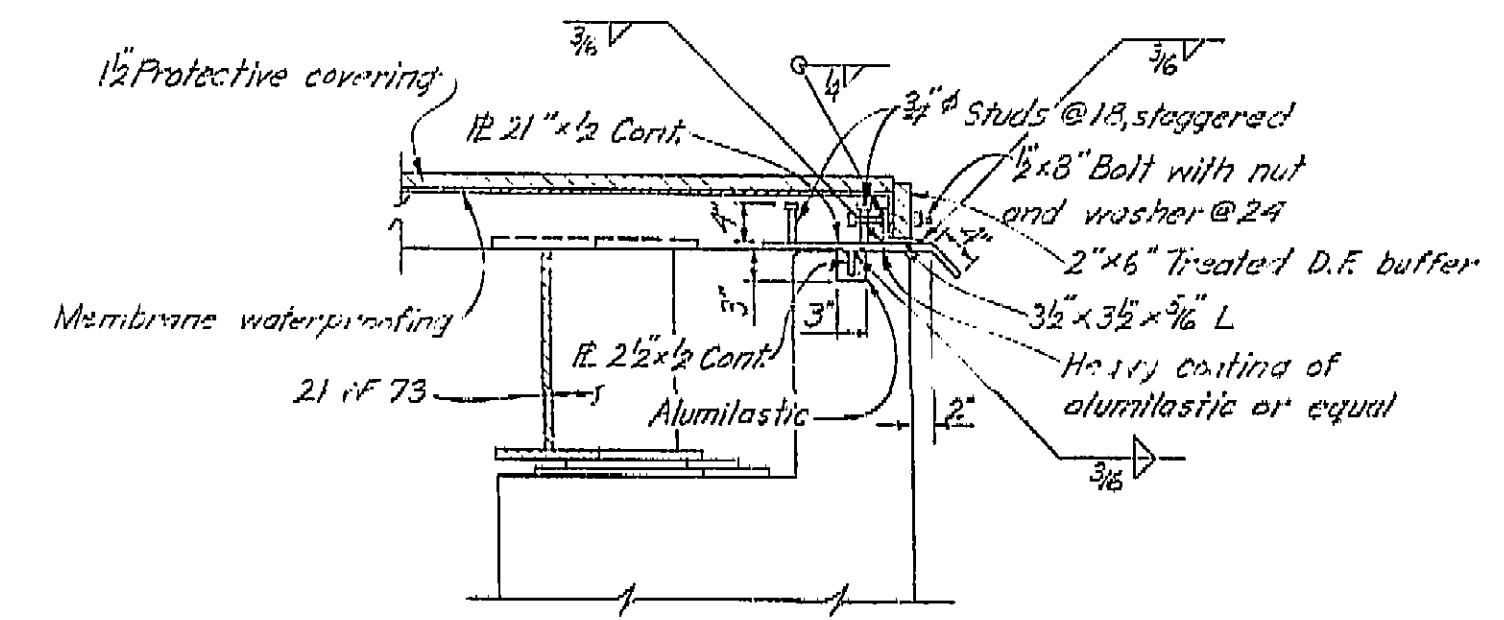




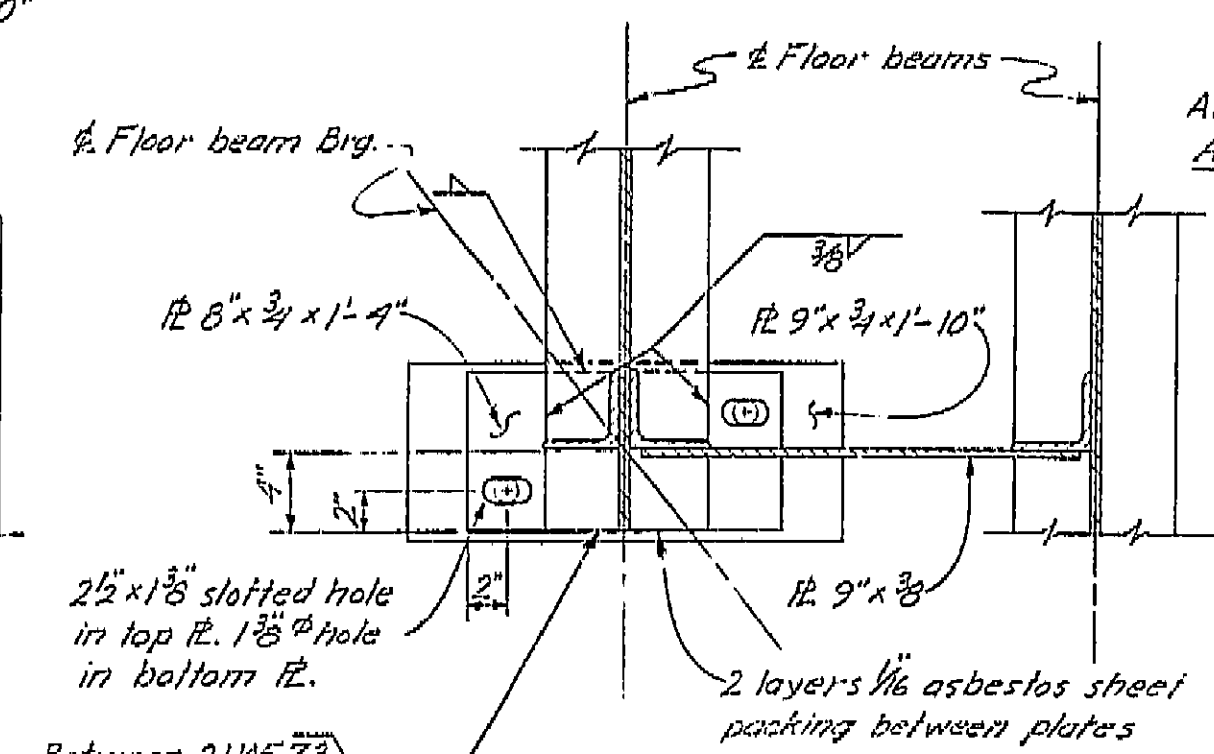
TYPICAL SECTION  
3/4" = 1'-0"



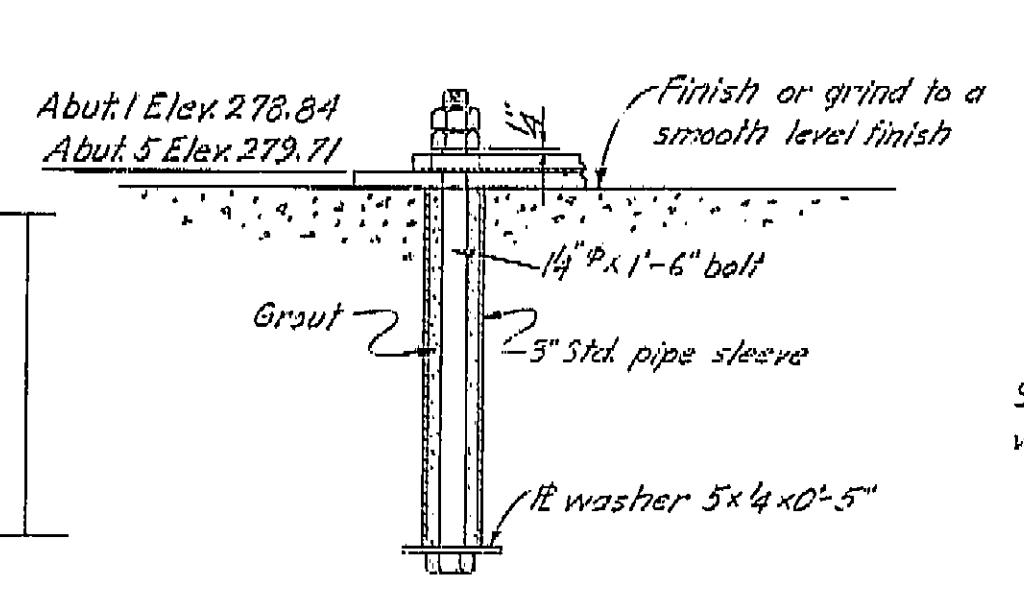
SECTION A-A  
3/4" = 1'-0"



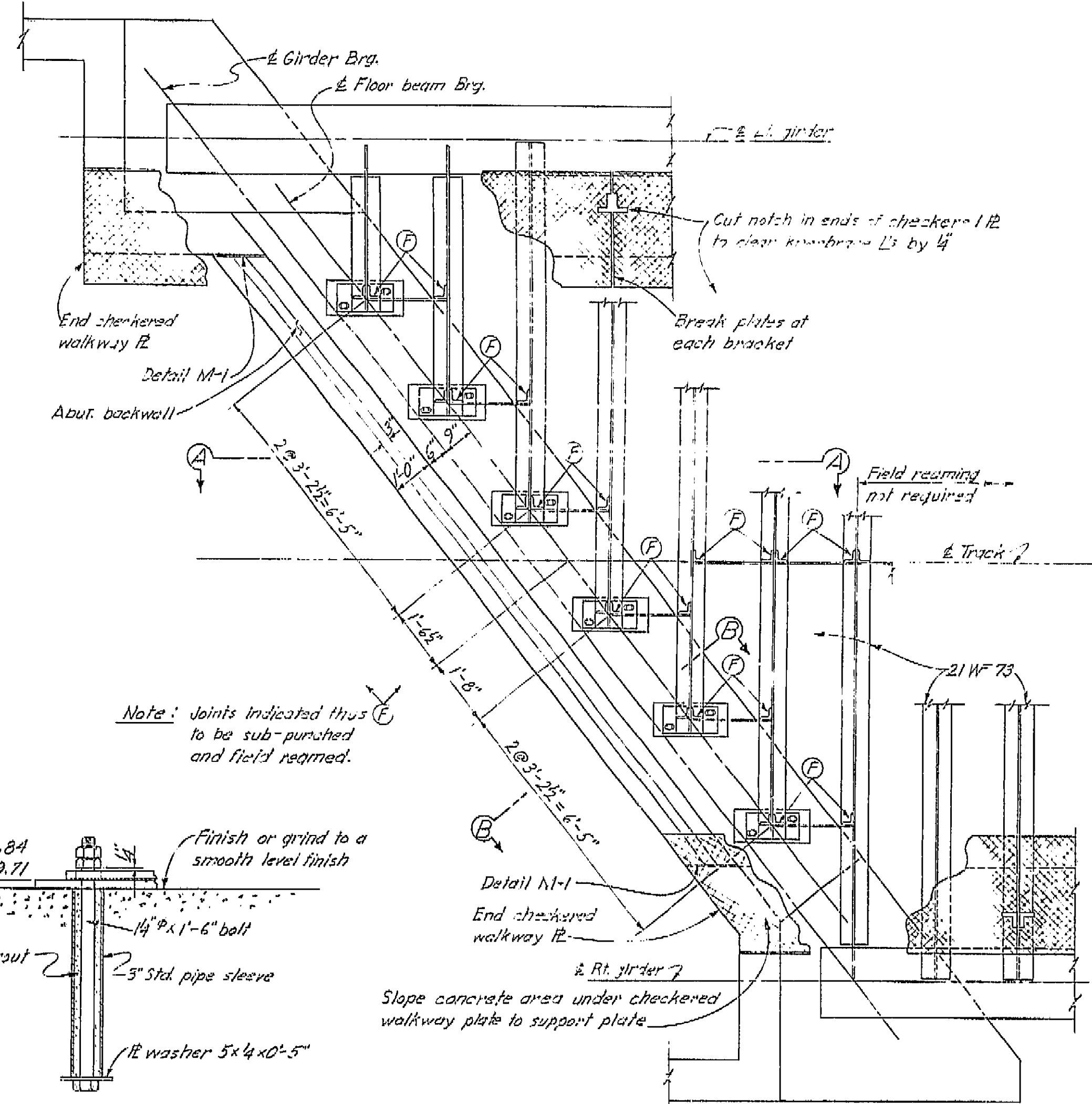
SECTION B-B  
3/4" = 1'-0"



PLAN  
FLOORBEAM BEARING DETAILS  
1 1/2" = 1'-0"



ANCHORAGE



PLAN-END FLOOR BEAMS  
1/2" = 1'-0"

**AS BUILT PLANS**  
Contract No. 62-6T13C3  
Date Completed  
Document No. 60001062

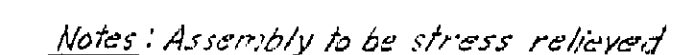
BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>[Signature]</i>	Checked: W.H.H. '60	
DETAILS	By: <i>[Signature]</i>	Checked: W.H.H. '60	
QUANTITIES	By: <i>[Signature]</i>	Checked: M. Camacho '60	
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	
Approval Recommended by: <i>[Signature]</i>			

STATE OF CALIFORNIA			
DEPARTMENT OF PUBLIC WORKS			
DIVISION OF HIGHWAYS			
WEST CALWA SPUR UNDERPASS			
TYPICAL SECTION			
SCALE: As Noted	BRIDGE: 42-212	FILE	DRAWING: 0-6739-5

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Signature]*

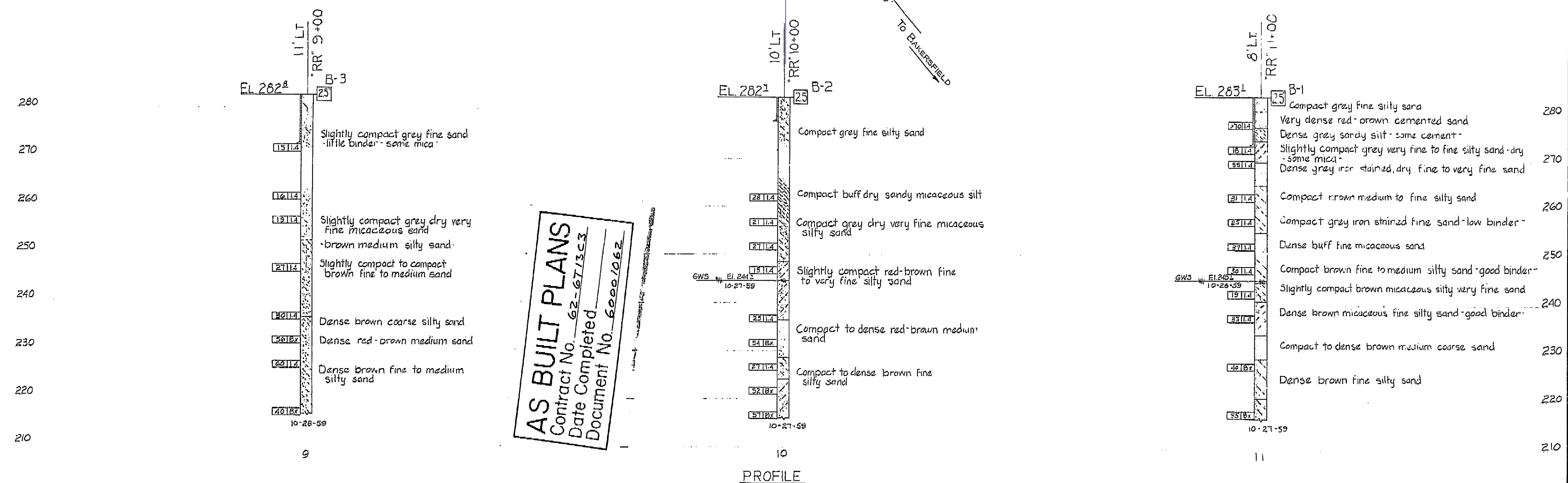
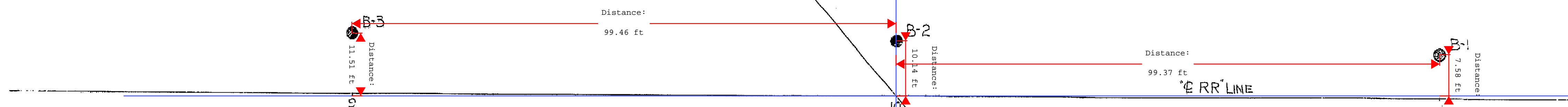




DATE 1-12-72 SIGNATURE Ann E. Galt TITLE Asst. Dir.



BM #25.2  
FD-10 ON E. END OF N. HDWL.  
OF CULV. UNDER SANTA FE TRACK  
@ ORANGE AVE.  
SET EL. 285.2



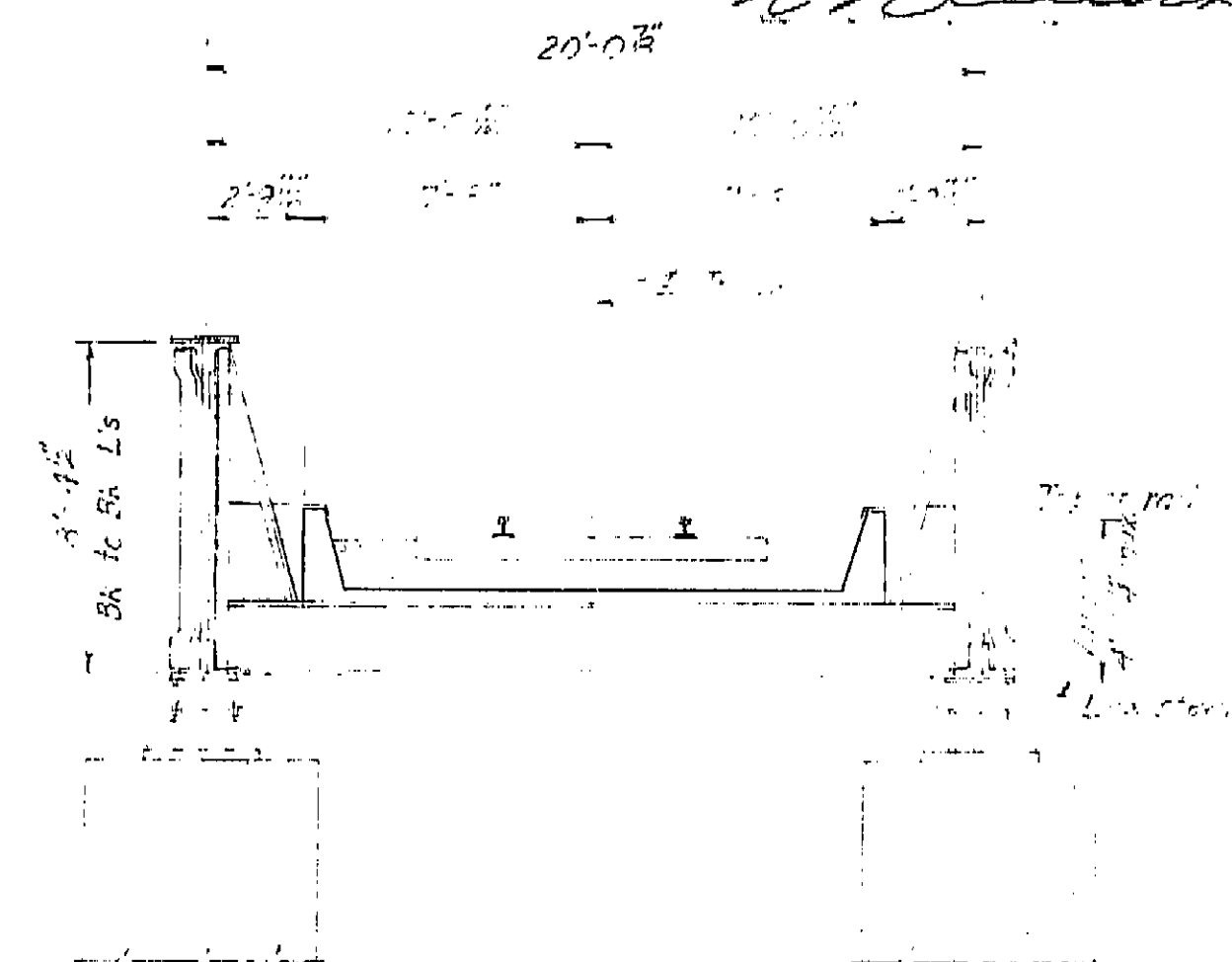
BRIDGE DEPARTMENT  
FIELD STUDY  
CHECKED  
APPROVED  
DATE  
BY  
10-28-59  
11-20-59  
12-20-59  
1-20-60  
2-20-60  
3-20-60  
4-20-60  
5-20-60  
6-20-60  
7-20-60  
8-20-60  
9-20-60  
10-20-60  
11-20-60  
12-20-60  
1-20-61  
2-20-61  
3-20-61  
4-20-61  
5-20-61  
6-20-61  
7-20-61  
8-20-61  
9-20-61  
10-20-61  
11-20-61  
12-20-61  
1-20-62  
2-20-62  
3-20-62  
4-20-62  
5-20-62  
6-20-62  
7-20-62  
8-20-62  
9-20-62  
10-20-62  
11-20-62  
12-20-62  
1-20-63  
2-20-63  
3-20-63  
4-20-63  
5-20-63  
6-20-63  
7-20-63  
8-20-63  
9-20-63  
10-20-63  
11-20-63  
12-20-63  
1-20-64  
2-20-64  
3-20-64  
4-20-64  
5-20-64  
6-20-64  
7-20-64  
8-20-64  
9-20-64  
10-20-64  
11-20-64  
12-20-64  
1-20-65  
2-20-65  
3-20-65  
4-20-65  
5-20-65  
6-20-65  
7-20-65  
8-20-65  
9-20-65  
10-20-65  
11-20-65  
12-20-65  
1-20-66  
2-20-66  
3-20-66  
4-20-66  
5-20-66  
6-20-66  
7-20-66  
8-20-66  
9-20-66  
10-20-66  
11-20-66  
12-20-66  
1-20-67  
2-20-67  
3-20-67  
4-20-67  
5-20-67  
6-20-67  
7-20-67  
8-20-67  
9-20-67  
10-20-67  
11-20-67  
12-20-67  
1-20-68  
2-20-68  
3-20-68  
4-20-68  
5-20-68  
6-20-68  
7-20-68  
8-20-68  
9-20-68  
10-20-68  
11-20-68  
12-20-68  
1-20-69  
2-20-69  
3-20-69  
4-20-69  
5-20-69  
6-20-69  
7-20-69  
8-20-69  
9-20-69  
10-20-69  
11-20-69  
12-20-69  
1-20-70  
2-20-70  
3-20-70  
4-20-70  
5-20-70  
6-20-70  
7-20-70  
8-20-70  
9-20-70  
10-20-70  
11-20-70  
12-20-70  
1-20-71  
2-20-71  
3-20-71  
4-20-71  
5-20-71  
6-20-71  
7-20-71  
8-20-71  
9-20-71  
10-20-71  
11-20-71  
12-20-71  
1-20-72  
2-20-72  
3-20-72  
4-20-72  
5-20-72  
6-20-72  
7-20-72  
8-20-72  
9-20-72  
10-20-72  
11-20-72  
12-20-72  
1-20-73  
2-20-73  
3-20-73  
4-20-73  
5-20-73  
6-20-73  
7-20-73  
8-20-73  
9-20-73  
10-20-73  
11-20-73  
12-20-73  
1-20-74  
2-20-74  
3-20-74  
4-20-74  
5-20-74  
6-20-74  
7-20-74  
8-20-74  
9-20-74  
10-20-74  
11-20-74  
12-20-74  
1-20-75  
2-20-75  
3-20-75  
4-20-75  
5-20-75  
6-20-75  
7-20-75  
8-20-75  
9-20-75  
10-20-75  
11-20-75  
12-20-75  
1-20-76  
2-20-76  
3-20-76  
4-20-76  
5-20-76  
6-20-76  
7-20-76  
8-20-76  
9-20-76  
10-20-76  
11-20-76  
12-20-76  
1-20-77  
2-20-77  
3-20-77  
4-20-77  
5-20-77  
6-20-77  
7-20-77  
8-20-77  
9-20-77  
10-20-77  
11-20-77  
12-20-77  
1-20-78  
2-20-78  
3-20-78  
4-20-78  
5-20-78  
6-20-78  
7-20-78  
8-20-78  
9-20-78  
10-20-78  
11-20-78  
12-20-78  
1-20-79  
2-20-79  
3-20-79  
4-20-79  
5-20-79  
6-20-79  
7-20-79  
8-20-79  
9-20-79  
10-20-79  
11-20-79  
12-20-79  
1-20-80  
2-20-80  
3-20-80  
4-20-80  
5-20-80  
6-20-80  
7-20-80  
8-20-80  
9-20-80  
10-20-80  
11-20-80  
12-20-80  
1-20-81  
2-20-81  
3-20-81  
4-20-81  
5-20-81  
6-20-81  
7-20-81  
8-20-81  
9-20-81  
10-20-81  
11-20-81  
12-20-81  
1-20-82  
2-20-82  
3-20-82  
4-20-82  
5-20-82  
6-20-82  
7-20-82  
8-20-82  
9-20-82  
10-20-82  
11-20-82  
12-20-82  
1-20-83  
2-20-83  
3-20-83  
4-20-83  
5-20-83  
6-20-83  
7-20-83  
8-20-83  
9-20-83  
10-20-83  
11-20-83  
12-20-83  
1-20-84  
2-20-84  
3-20-84  
4-20-84  
5-20-84  
6-20-84  
7-20-84  
8-20-84  
9-20-84  
10-20-84  
11-20-84  
12-20-84  
1-20-85  
2-20-85  
3-20-85  
4-20-85  
5-20-85  
6-20-85  
7-20-85  
8-20-85  
9-20-85  
10-20-85  
11-20-85  
12-20-85  
1-20-86  
2-20-86  
3-20-86  
4-20-86  
5-20-86  
6-20-86  
7-20-86  
8-20-86  
9-20-86  
10-20-86  
11-20-86  
12-20-86  
1-20-87  
2-20-87  
3-20-87  
4-20-87  
5-20-87  
6-20-87  
7-20-87  
8-20-87  
9-20-87  
10-20-87  
11-20-87  
12-20-87  
1-20-88  
2-20-88  
3-20-88  
4-20-88  
5-20-88  
6-20-88  
7-20-88  
8-20-88  
9-20-88  
10-20-88  
11-20-88  
12-20-88  
1-20-89  
2-20-89  
3-20-89  
4-20-89  
5-20-89  
6-20-89  
7-20-89  
8-20-89  
9-20-89  
10-20-89  
11-20-89  
12-20-89  
1-20-90  
2-20-90  
3-20-90  
4-20-90  
5-20-90  
6-20-90  
7-20-90  
8-20-90  
9-20-90  
10-20-90  
11-20-90  
12-20-90  
1-20-91  
2-20-91  
3-20-91  
4-20-91  
5-20-91  
6-20-91  
7-20-91  
8-20-91  
9-20-91  
10-20-91  
11-20-91  
12-20-91  
1-20-92  
2-20-92  
3-20-92  
4-20-92  
5-20-92  
6-20-92  
7-20-92  
8-20-92  
9-20-92  
10-20-92  
11-20-92  
12-20-92  
1-20-93  
2-20-93  
3-20-93  
4-20-93  
5-20-93  
6-20-93  
7-20-93  
8-20-93  
9-20-93  
10-20-93  
11-20-93  
12-20-93  
1-20-94  
2-20-94  
3-20-94  
4-20-94  
5-20-94  
6-20-94  
7-20-94  
8-20-94  
9-20-94  
10-20-94  
11-20-94  
12-20-94  
1-20-95  
2-20-95  
3-20-95  
4-20-95  
5-20-95  
6-20-95  
7-20-95  
8-20-95  
9-20-95  
10-20-95  
11-20-95  
12-20-95  
1-20-96  
2-20-96  
3-20-96  
4-20-96  
5-20-96  
6-20-96  
7-20-96  
8-20-96  
9-20-96  
10-20-96  
11-20-96  
12-20-96  
1-20-97  
2-20-97  
3-20-97  
4-20-97  
5-20-97  
6-20-97  
7-20-97  
8-20-97  
9-20-97  
10-20-97  
11-20-97  
12-20-97  
1-20-98  
2-20-98  
3-20-98  
4-20-98  
5-20-98  
6-20-98  
7-20-98  
8-20-98  
9-20-98  
10-20-98  
11-20-98  
12-20-98  
1-20-99  
2-20-99  
3-20-99  
4-20-99  
5-20-99  
6-20-99  
7-20-99  
8-20-99  
9-20-99  
10-20-99  
11-20-99  
12-20-99  
1-20-100  
2-20-100  
3-20-100  
4-20-100  
5-20-100  
6-20-100  
7-20-100  
8-20-100  
9-20-100  
10-20-100  
11-20-100  
12-20-100  
1-20-101  
2-20-101  
3-20-101  
4-20-101  
5-20-101  
6-20-101  
7-20-101  
8-20-101  
9-20-101  
10-20-101  
11-20-101  
12-20-101  
1-20-102  
2-20-102  
3-20-102  
4-20-102  
5-20-102  
6-20-102  
7-20-102  
8-20-102  
9-20-102  
10-20-102  
11-20-102  
12-20-102  
1-20-103  
2-20-103  
3-20-103  
4-20-103  
5-20-103  
6-20-103  
7-20-103  
8-20-103  
9-20-103  
10-20-103  
11-20-103  
12-20-103  
1-20-104  
2-20-104  
3-20-104  
4-20-104  
5-20-104  
6-20-104  
7-20-104  
8-20-104  
9-20-104  
10-20-104  
11-20-104  
12-20-104  
1-20-105  
2-20-105  
3-20-105  
4-20-105  
5-20-105  
6-20-105  
7-20-105  
8-20-105  
9-20-105  
10-20-105  
11-20-105  
12-20-105  
1-20-106  
2-20-106  
3-20-106  
4-20-106  
5-20-106  
6-20-106  
7-20-106  
8-20-106  
9-20-106  
10-20-106  
11-20-106  
12-20-106  
1-20-107  
2-20-107  
3-20-107  
4-20-107  
5-20-107  
6-20-107  
7-20-107  
8-20-107  
9-20-107  
10-20-107  
11-20-107  
12-20-107  
1-20-108  
2-20-108  
3-20-108  
4-20-108  
5-20-108  
6-20-108  
7-20-108  
8-20-108  
9-20-108  
10-20-108  
11-20-108  
12-20-108  
1-20-109  
2-20-109  
3-20-109  
4-20-109  
5-20-109  
6-20-109  
7-20-109  
8-20-109  
9-20-109  
10-20-109  
11-20-109  
12-20-109  
1-20-110  
2-20-110  
3-20-110  
4-20-110  
5-20-110  
6-20-110  
7-20-110  
8-20-110  
9-20-110  
10-20-110  
11-20-110  
12-20-110  
1-20-111  
2-20-111  
3-20-111  
4-20-111  
5-20-111  
6-20-111  
7-20-111  
8-20-111  
9-20-111  
10-20-111  
11-20-111  
12-20-111  
1-20-112  
2-20-112  
3-20-112  
4-20-112  
5-20-112  
6-20-112  
7-20-112  
8-20-112  
9-20-112  
10-20-112  
11-20-112  
12-20-112  
1-20-113  
2-20-113  
3-20-113  
4-20-113  
5-20-113  
6-20-113  
7-20-113  
8-20-113  
9-20-113  
10-20-113  
11-20-113  
12-20-113  
1-20-114  
2-20-114  
3-20-114  
4-20-114  
5-20-114  
6-20-114  
7-20-114  
8-20-114  
9-20-114  
10-20-114  
11-20-114  
12-20-114  
1-20-115  
2-20-115  
3-20-115  
4-20-115  
5-20-115  
6-20-115  
7-20-115  
8-20-115  
9-20-115  
10-20-115  
11-20-115  
12-20-115  
1-20-116  
2-20-116  
3-20-116  
4-20-116  
5-20-116  
6-20-116  
7-20-116  
8-20-116  
9-20-116  
10-20-116  
11-20-116  
12-20-116  
1-20-117  
2-20-117  
3-20-117  
4-20-117  
5-20-117  
6-20-117  
7-20-117  
8-20-117  
9-20-117  
10-20-117  
11-20-117  
12-20-117  
1-20-118  
2-20-118  
3-20-118  
4-20-118  
5-20-118  
6-20-118  
7-20-118  
8-20-118  
9-20-118  
10-20-118  
11-20-118  
12-20-118  
1-20-119  
2-20-119  
3-20-119  
4-20-119  
5-20-119  
6-20-119  
7-20-119  
8-20-119  
9-20-119  
10-20-119  
11-20-119  
12-20-119  
1-20-120  
2-20-120  
3-20-120  
4-20-120  
5-20-120  
6-20-120  
7-20-120  
8-20-120  
9-20-120  
10-20-120  
11-20-120  
12-20-120  
1-20-121  
2-20-121  
3-20-121  
4-20-121  
5-20-121  
6-20-121  
7-20-121  
8-20-121  
9-20-121  
10-20-121  
11-20-121  
12-20-121  
1-20-122  
2-20-122  
3-20-122  
4-20-122  
5-20-122  
6-20-122  
7-20-122  
8-20-122  
9-20-122  
10-20-122  
11-20-122  
12-20-122  
1-20-123  
2-20-123  
3-20-123  
4-20-123  
5-20-123  
6-20-123  
7-20-123  
8-20-123  
9-20-123  
10-20-123  
11-20-123  
12-20-123  
1-20-124  
2-20-124  
3-20-124  
4-20-124  
5-20-124  
6-20-124  
7-20-124  
8-20-124  
9-20-124  
10-20-124  
11-20-124  
12-20-124  
1-20-125  
2-20-125  
3-20-125  
4-20-125  
5-20-125  
6-20-125  
7-20-125  
8-20-125  
9-20-125  
10-20-125  
11-20-125  
12-20-125  
1-20-126  
2-20-126  
3-20-126  
4-20-126  
5-20-126  
6-20-126  
7-20-126  
8-20-126  
9-20-126  
10-20-126  
11-20-126  
12-20-126  
1-20-127  
2-20-127  
3-20-127  
4-20-127  
5-20-127  
6-20-127  
7-20-127  
8-20-127  
9-20-127  
10-20-127  
11-20-127  
12-20-127  
1-20-128  
2-20-128  
3-20-128  
4-20-128  
5-20-128  
6-20-128  
7-20-128  
8-20-128  
9-20-128  
10-20-128  
11-20-128  
12-20-128  
1-20-129  
2-20-129  
3-20-129  
4-20-129  
5-20-129  
6-20-129  
7-20-129  
8-20-129  
9-20-129  
10-20-129  
11-20-129  
12-20-129  
1-20-130  
2-20-130  
3-20-130  
4-20-130  
5-20-130  
6-20-130  
7-20-130  
8-20-130  
9-20-130  
10-20-130  
11-20-130  
12-20-130  
1-20-131  
2-20-131  
3-20-131  
4-20-131  
5-20-131  
6-20-131  
7-20-131  
8-20-131  
9-20-131  
10-20-131  
11-20-131  
12-20-131  
1-20-132  
2-20-132  
3-20-132  
4-20-132  
5-20-132  
6-20-132  
7-20-132  
8-20-132  
9-20-132  
10-20-132  
11-20-132  
12-20-132  
1-20-133  
2-20-133  
3-20-133  
4-20-133  
5-20-133  
6-20-133  
7-20-133  
8-20-133  
9-20-133  
10-20-133  
11-20-133  
12-20-133  
1-20-134  
2-20-134  
3-20-134  
4-20-134  
5-20-134  
6-20-134  
7-20-134  
8-20-134  
9-20-134  
10-20-134  
11-20-134  
12-20-134  
1-20-135  
2-20-135  
3-20-135  
4-20-135  
5-20-135  
6-20-135  
7-20-135  
8-20-135  
9-20-135  
10-20-135  
11-20-135  
12-20-135  
1-20-136  
2-20-136  
3-20-136  
4-20-136  
5-20-136  
6-20-136  
7-20-136  
8-20-136  
9-20-136  
10-20-136  
11-20-136  
12-20-136  
1-20-137  
2-20-137  
3-20-137  
4-20-137  
5-20-137  
6-20-137  
7-20-137  
8-20-137  
9-20-137  
10-20-137  
11-20-137  
12-20-137  
1-20-138  
2-20-138  
3-20-138  
4-20-138  
5-20-138  
6-20-138  
7-20-138  
8-20-138  
9-20-138  
10-20-138  
11-20-138  
12-20-138  
1-20-139  
2-20-139  
3-20-139  
4-20-139  
5-20-139  
6-20-139  
7-20-139  
8-20-139  
9-20-139  
10-20-139  
11-20-139  
12-20-139  
1-20-140  
2-20-140  
3-20-140  
4-20-140  
5-20-140  
6-20-140  
7-20-140  
8-20-140  
9-20-140  
10-20-140  
11-20-140  
12-20-140  
1-20-141  
2-20-141  
3-20-141  
4-20-141  
5-20-141  
6-20-141  
7-20-141  
8-20-141  
9-20-141  
10-20-141  
11-20-141  
12-20-141  
1-20-142  
2-20-142  
3-20-142  
4-20-142  
5-20-142  
6-20-142  
7-20-142  
8-20-142  
9-20-142  
10-20-142  
11-20-142  
12-20-142  
1-20-143  
2-20-143  
3-20-143  
4-20-143  
5-20-143  
6-20-143  
7-20-143  
8-20-143  
9-20-143  
10-20-143  
11-20-143  
12-20-143  
1-20-144  
2-20-144  
3-20-144  
4-20-144  
5-20-144  
6-20-144  
7-20-144  
8-20-144  
9-20-144  
10-20-144  
11-20-144  
12-20-144  
1-20-145  
2-20-145  
3-20-145  
4-20-145  
5-20-145  
6-20-145  
7-20-145  
8-20-145  
9-20-145  
10-20-145  
11-20-145  
12-20-145  
1-20-146  
2-20-146  
3-20-146  
4-20-146  
5-20-146  
6-20-146  
7-20-146  
8-20-146  
9-20-146  
10-20-146  
11-20-146  
12-20-146  
1-20-147  
2-20-147  
3-20-147  
4-20-147  
5-20-147  
6-20-147  
7-20-147  
8-20-147  
9-20-147  
10-20-147  
11-20-147  
12-20-147  
1-20-148  
2-20-148  
3-20-148  
4-20-148  
5-20-148  
6-20-148  
7-20-148  
8-20-148  
9-20-148  
10-20-148  
11-20-148  
12-20-148  
1-20-149  
2-20-149  
3-20-149  
4-20-149  
5-20-149  
6-20-149  
7-20-149  
8-20-149  
9-20-149  
10-20-149  
11-20-149  
12-20-149  
1-20-150  
2-20-150  
3-20-150  
4-20-150  
5-20-150  
6-20-150  
7-20-150  
8-20-150  
9-20-150  
10-20-150  
11-20-150  
12-20-150  
1-20-151  
2-20-151  
3-20-151  
4-20-151  
5-20-151  
6-20-151  
7-20-151  
8-20-151  
9-20-151  
10-20-151  
11-20-151  
12-20-151  
1-20-152  
2-20-152  
3-20-152  
4-20-152  
5-20-152  
6-20-152  
7-20-152  
8-20-152  
9-20-152  
10-20-152  
11-20-152  
12-20-152  
1-20-153  
2-20-153  
3-20-153  
4-20-153  
5-20-153  
6-20-153  
7-20-153  
8-20-153  
9-20-153  
10-20-153  
11-20-153  
12-20-153  
1-20-154  
2-20-154  
3-20-154  
4-20-154  
5-20-154  
6-20-154  
7-20-154  
8-20-154  
9-20-154  
10-20-154  
11-20-154  
12-20-154  
1-20-155  
2-20-155  
3-20-155  
4-20-155  
5-20-155  
6-20-155  
7-20-155  
8-20-155  
9-20-155  
10-20-155  
11-20-155  
12-20-155  
1-20-156  
2-20-156  
3-20-156  
4-20-156  
5-20-156  
6-20-156  
7-20-156  
8-20-156  
9-20-156  
10-20-156  
11-20-156  
12-20-156  
1-20-157  
2-20-157  
3-20-157  
4-20-157  
5-20-157  
6-20-157  
7-20-157  
8-20-157  
9-20-157  
10-20-

Sta. 12+00.00  
Elev. 280.05

+0.33%

24.17.3

See Foundation Plan sheet for  
top of rail notes



20'-03"

TYPE OF TOOL  
4-10

## INDEX TO PLAN

<u>SHEET NO.</u>	<u>TITLE</u>
1.	General Plan
2.	Foundation Plan
3.	Architect Details
4.	Joint Details
5.	Typical Section
6.	Grid Layout
7.	Roof Details
8.	Roofing Details
9.	Pile Details
10.	Log of Test Results

*Note: Route Change (VI - Frs. 99)*

### APPROXIMATE QUANTITIES

*STRUCTURE EXCAVATION (BRIDGE)	780 C.Y.
*STRUCTURE BACKFILL (BRIDGE)	400 C.Y.
FURNISH CONCRETE PILING (CLASS II)	3,515 C.Y.
DRIVING CONCRETE PILES	12.4 L.S.
*CLASS "A" CONCRETE (BRIDGE)	516 C.Y.
PUBLIC WATERSTOPS	22 L.F.
*BAR REINFORCING STEEL (BRIDGE)	63,000 LBS.
MEMBRANE WATERPROOFING & PROTECTIVE COVERING	1,000 S.F.
*STRUCTURAL STEEL	630,000 LBS.
CLEANING AND PAINTING STRUCTURAL STEEL	1,000 S.F.

#### <sup>4</sup>FINAL QUANTITIES

Contract # 62-6713C3-F1

*For General Notes see "Footnote to Film"*

AS BUILT PLANS  
Contract No. 62-6713C3  
Date Completed \_\_\_\_\_  
Document No. 60001062

PLAN  
1"=20'

LIVE LOADING COOPER'S F-72

BRIDGE DEPARTMENT <h2 style="text-align: center;">DESIGN SECTION</h2> <div style="text-align: center; font-size: 2em; font-weight: bold;">2</div> <p>Project Designer: <u>W. J. Sauter</u></p> <p>Chief Designer: <u>W. J. Sauter</u></p>	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS																		
<h3 style="margin: 0;">WEST CALWA SPUR UNDERPASS</h3> <p style="margin: 0;">LOCATED ABOUT 1.4 MILES SOUTHEAST OF THE SOUTH CITY LIMITS OF FRESNO</p> <h2 style="margin: 0;">GENERAL PLAN</h2>																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DESIGN</td> <td style="width: 30%;">BY <u>W. J. Sauter</u></td> <td style="width: 10%;">CHECKED</td> <td style="width: 40%;">W. H. H. '60</td> </tr> <tr> <td>DETAILS</td> <td>BY <u>C. C. McNamee</u></td> <td>CHECKED</td> <td>W. H. H. '60</td> </tr> <tr> <td>QUANTITIES</td> <td>BY <u>W. J. Sauter</u></td> <td>CHECKED</td> <td>M. Camacho '60</td> </tr> <tr> <td>SPECIFICATIONS</td> <td>BY <u>W. J. Sauter</u></td> <td>DATE AND BY CHANGED</td> <td></td> </tr> </table>	DESIGN	BY <u>W. J. Sauter</u>	CHECKED	W. H. H. '60	DETAILS	BY <u>C. C. McNamee</u>	CHECKED	W. H. H. '60	QUANTITIES	BY <u>W. J. Sauter</u>	CHECKED	M. Camacho '60	SPECIFICATIONS	BY <u>W. J. Sauter</u>	DATE AND BY CHANGED		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">           Approval Recommended by: <u>W. J. Sauter</u>            Division Engineer         </td> <td style="width: 70%;">           Civil Engr. License No. <u>5428</u>  <div style="display: flex; justify-content: space-between;"> <div>             SCALE <u>1" = 40'</u>              BRIDGE <u>70' x 20'</u> </div> <div>             FILE           </div> <div>             DRAWING <u>6-6739-1</u> </div> </div> </td> </tr> </table>	Approval Recommended by: <u>W. J. Sauter</u> Division Engineer	Civil Engr. License No. <u>5428</u> <div style="display: flex; justify-content: space-between;"> <div>             SCALE <u>1" = 40'</u>              BRIDGE <u>70' x 20'</u> </div> <div>             FILE           </div> <div>             DRAWING <u>6-6739-1</u> </div> </div>
DESIGN	BY <u>W. J. Sauter</u>	CHECKED	W. H. H. '60																
DETAILS	BY <u>C. C. McNamee</u>	CHECKED	W. H. H. '60																
QUANTITIES	BY <u>W. J. Sauter</u>	CHECKED	M. Camacho '60																
SPECIFICATIONS	BY <u>W. J. Sauter</u>	DATE AND BY CHANGED																	
Approval Recommended by: <u>W. J. Sauter</u> Division Engineer	Civil Engr. License No. <u>5428</u> <div style="display: flex; justify-content: space-between;"> <div>             SCALE <u>1" = 40'</u>              BRIDGE <u>70' x 20'</u> </div> <div>             FILE           </div> <div>             DRAWING <u>6-6739-1</u> </div> </div>																		

Disregard prints bearing earlier numbers

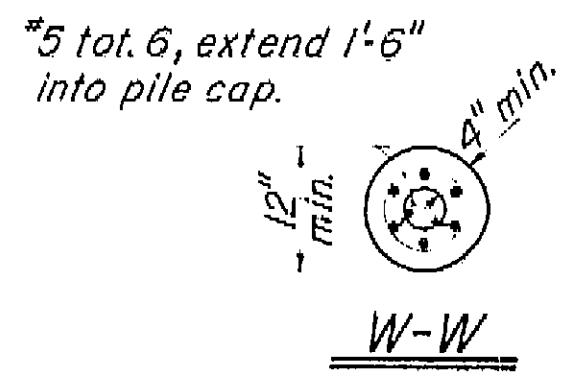
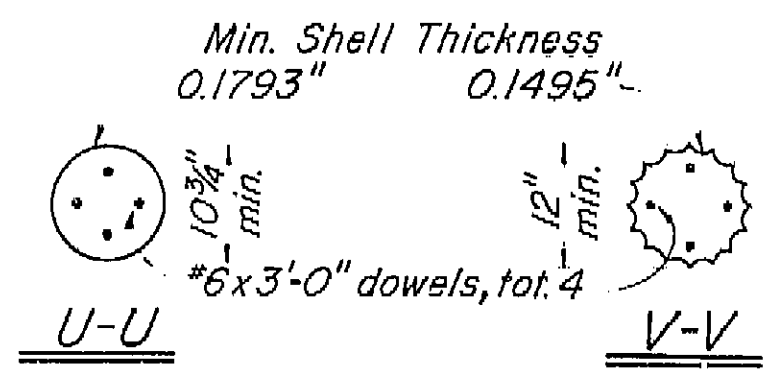
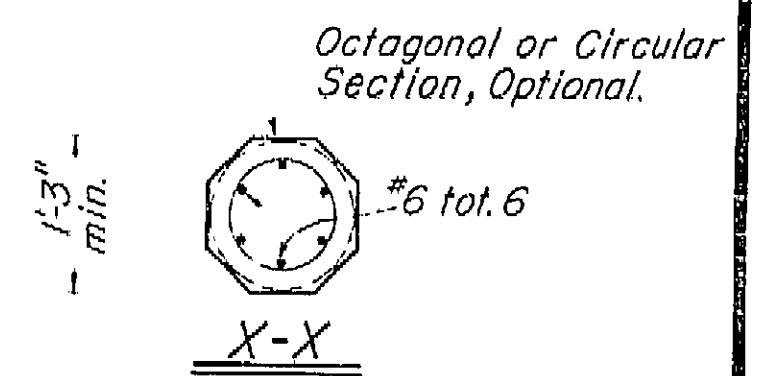
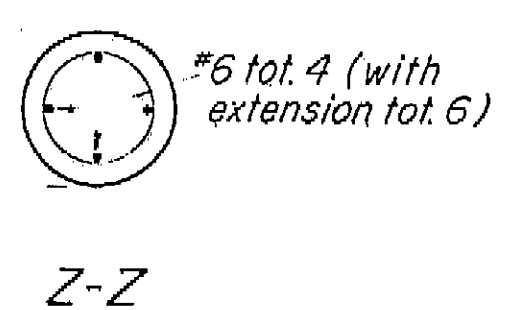
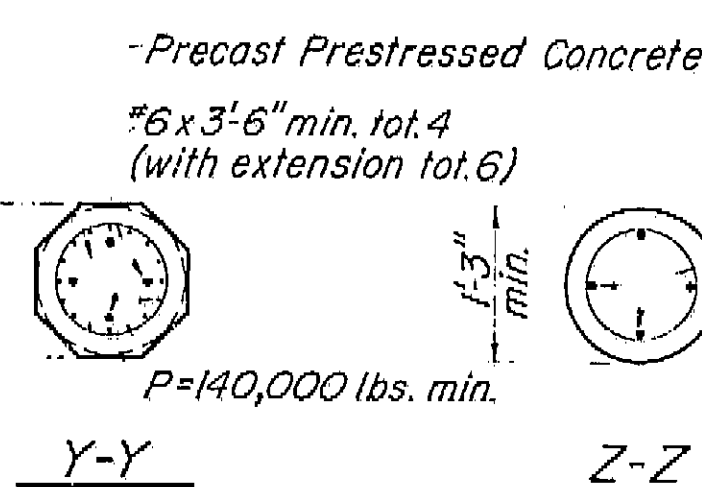
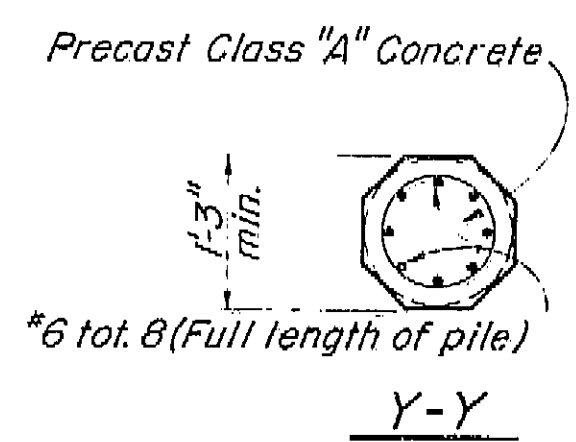
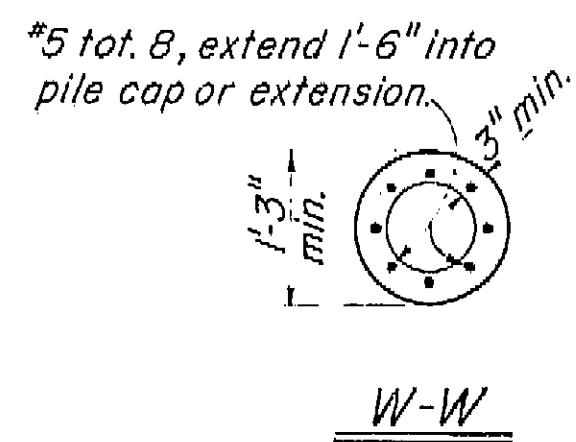
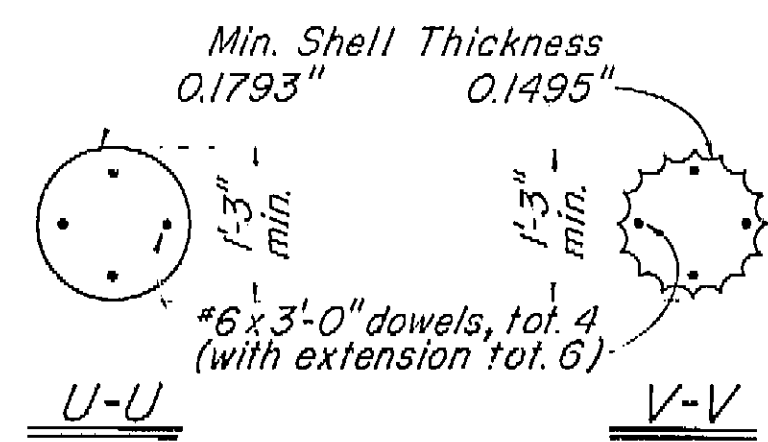
PREL. DRAWING No. P- 6739 ☒ ☒ ☒ ☒ ☒ ☒ ☐ ☐ ☐ 478

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-62 SIGNATURE [Signature] TITLE Asst. Dir.

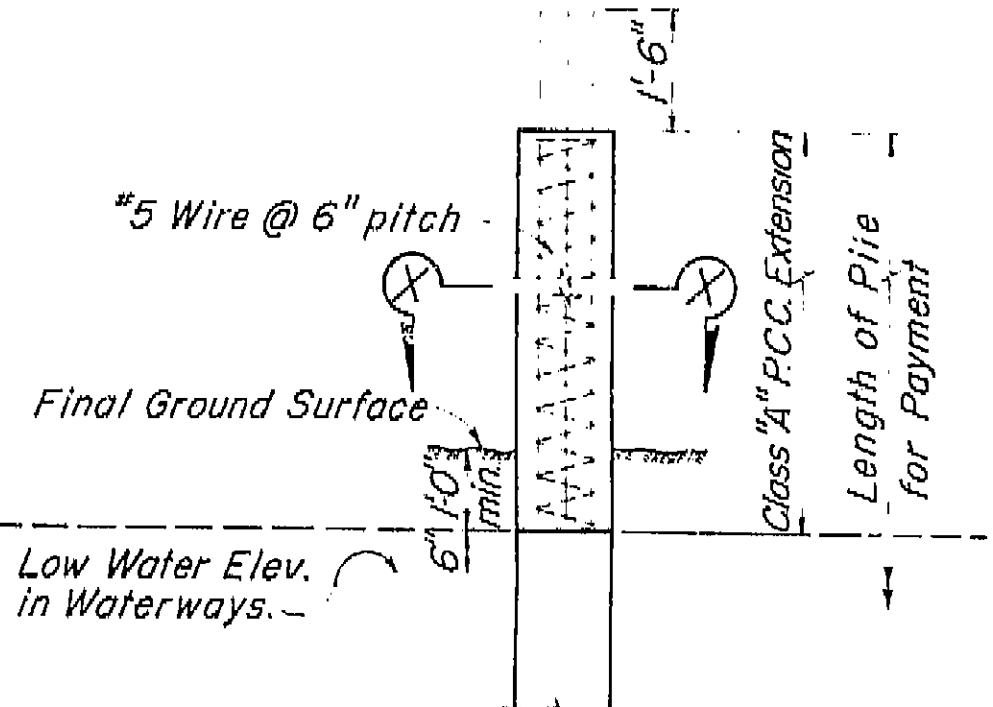
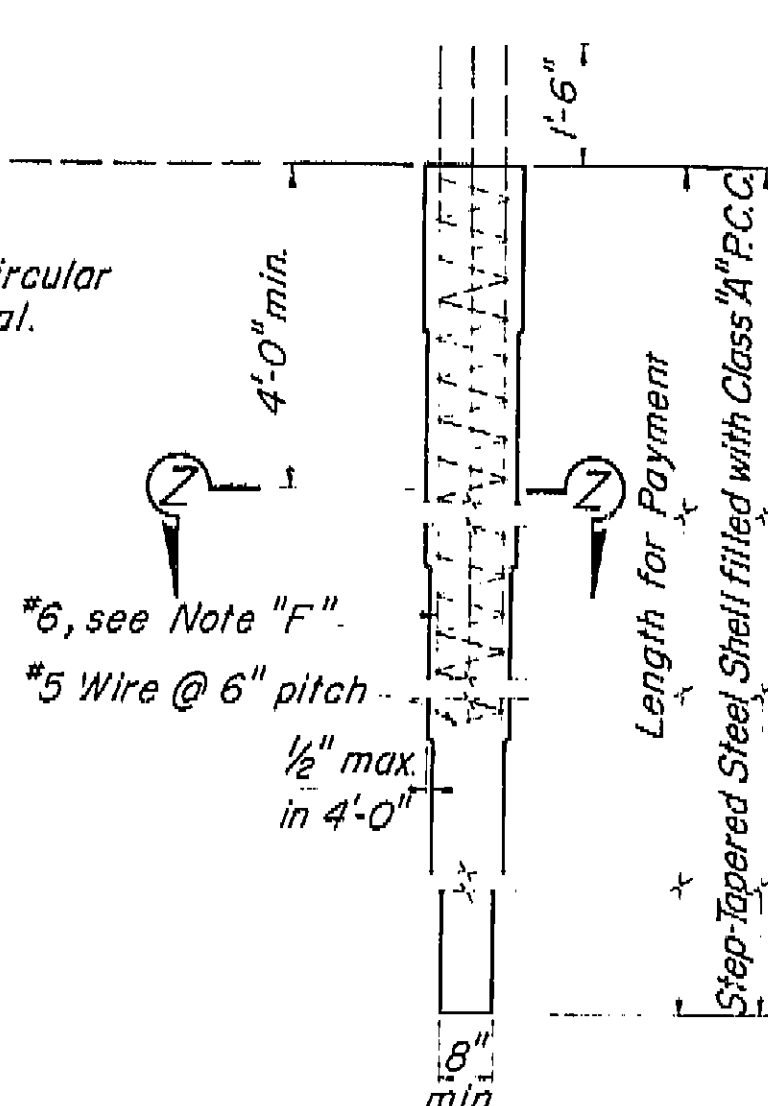
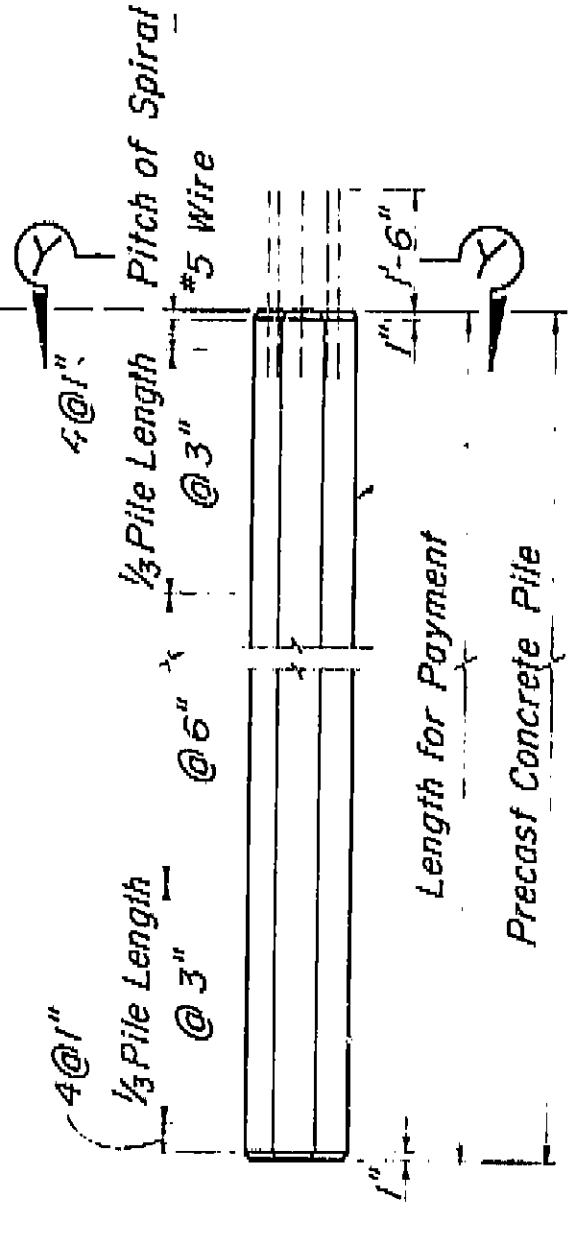
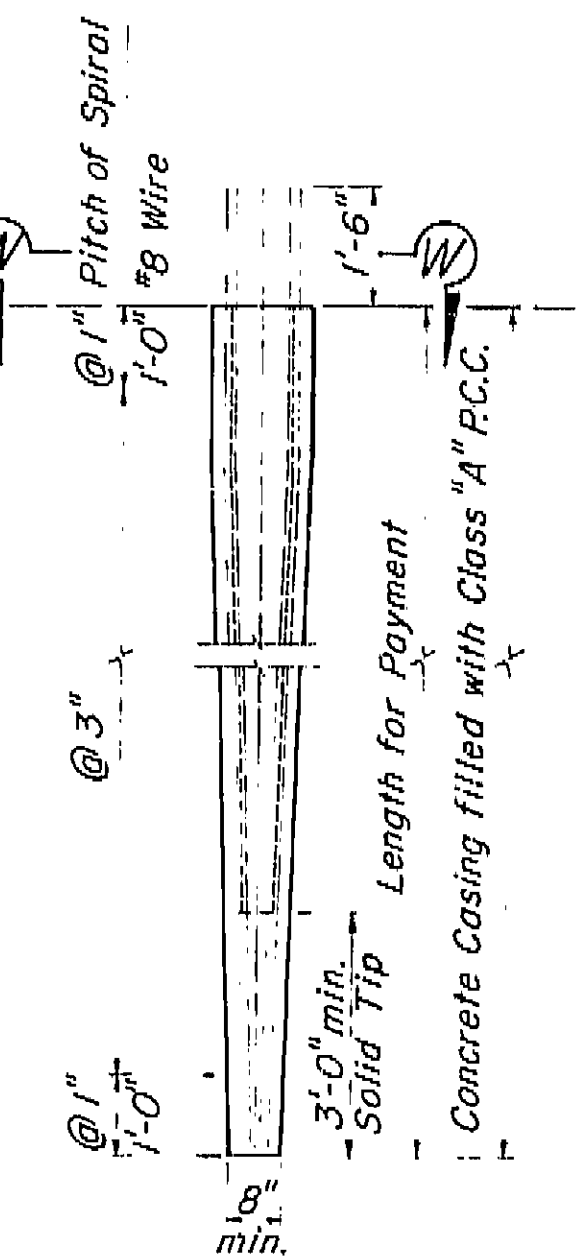
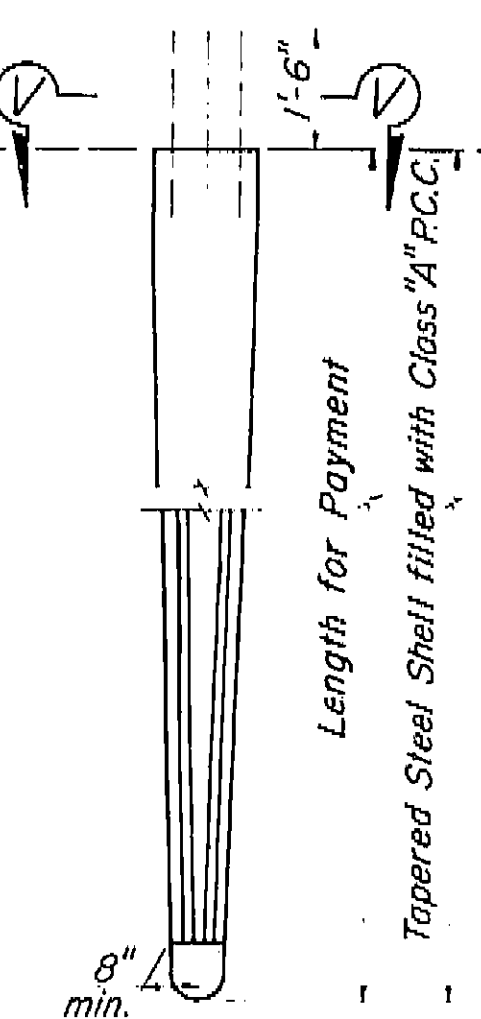
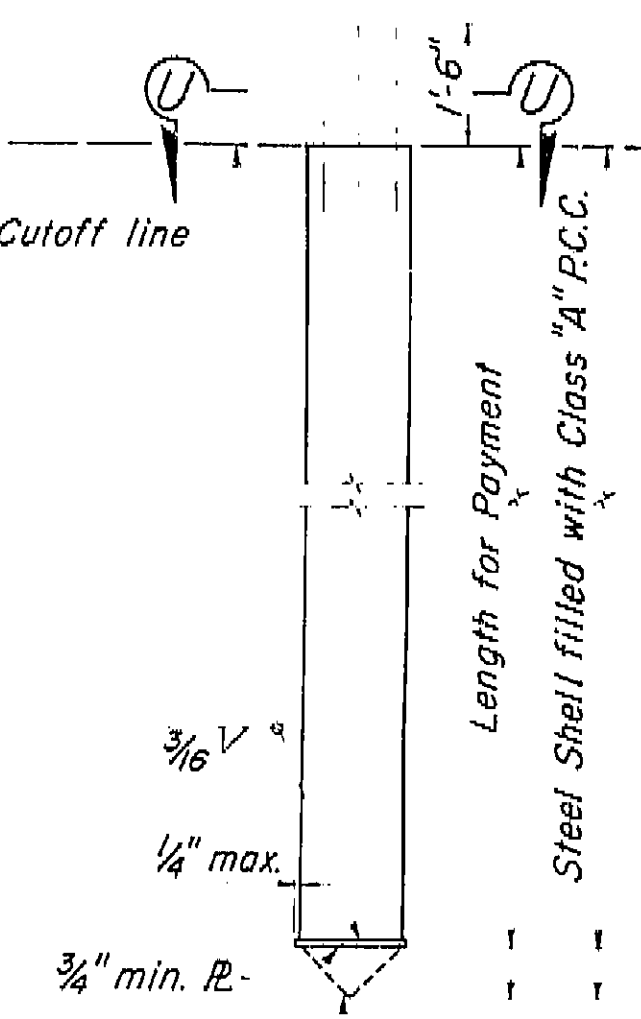
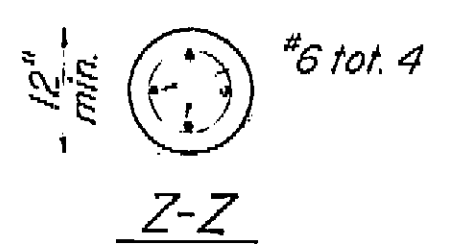


DESIGNED BY: *[Signature]*  
CHECKED BY: *[Signature]*  
DATE: August 28, 1961



**CLASS I PILES**  
Scale: 3/4"=1'-0"

**CLASS II PILES**  
Scale: 3/4"=1'-0"



**PILE EXTENSION**  
Permitted with Class I Piles only.

Alternative tip shape, at option of Contractor.

**ALTERNATIVE "U"**

**ALTERNATIVE "V"**

**ALTERNATIVE "W"**

**ALTERNATIVE "Y"**

**ALTERNATIVE "Z"**

**PILE NOTES**

Alternative "W" & "Y" may be driven full length and cutoff without extension or may be extended. All exposed piles or pile extensions shall be consistent in cross-section throughout the project.

Alternative "Y" (Precast Prestressed)  
P=Prestraining Force (after losses)  
Concrete stress:  
f'c = 4500 p.s.i. @ 28 days  
f'ci = 3500 p.s.i. @ transfer (3/8 strand)  
f'ci = 4000 p.s.i. @ transfer (1/2 strand)

Note "F": In Alternative "Z" the #6 bars shall extend a minimum of 12' below the lowest of the following:  
1. Bottom of footing  
2. Top of final ground surface  
3. Top of original ground surface when piles are driven through fills.

Class I piles may be substituted for Class II piles. Unless indicated to the contrary all piles shall be Class I piles.

**AS BUILT PLANS**  
Contract No. 62-6713C3  
Date Completed  
Document No. 60001062

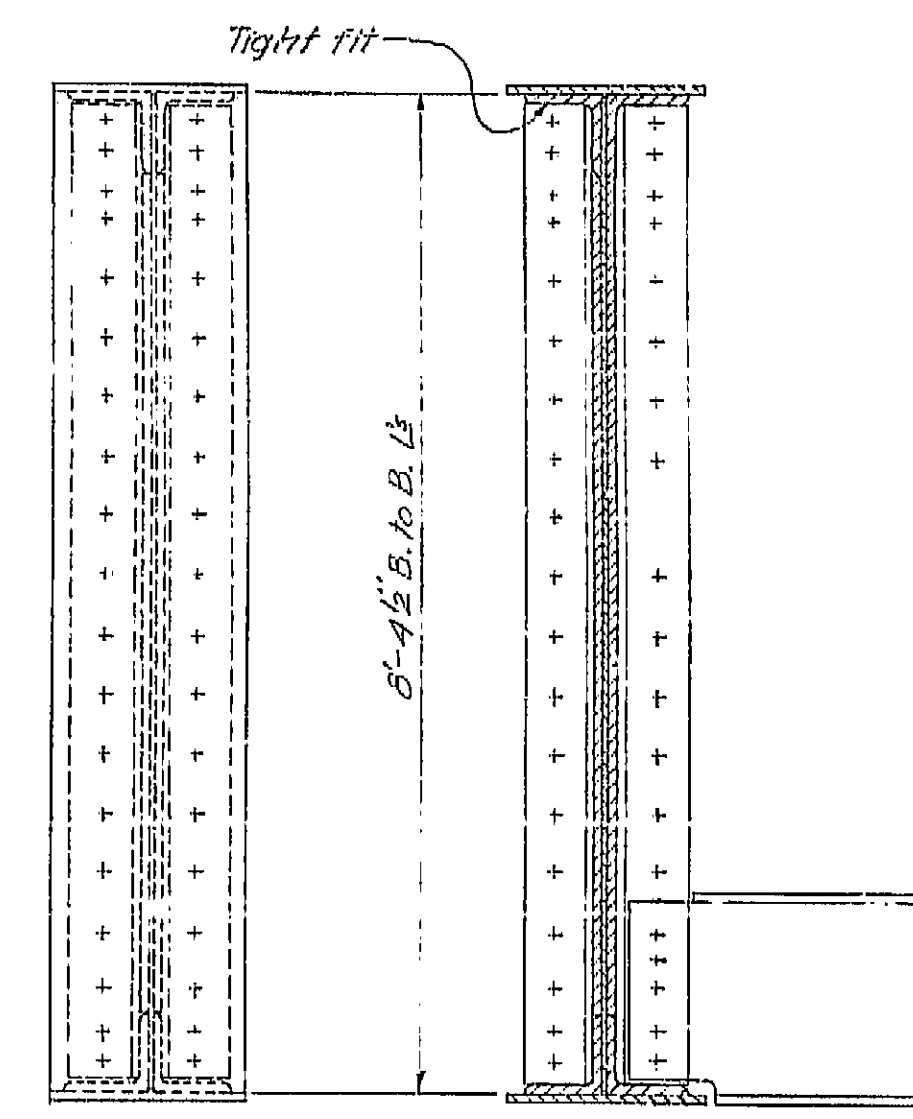
DESIGN LOADING = 45 TONS

BRIDGE DEPARTMENT DESIGN SECTION	
DESIGN	W.H.H.
DETAILS	H.N. Dahl
QUANTITIES	D.A.S.

9/60	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS
WEST CALWA SPUR UNDERPASS	
CONCRETE PILE DETAILS	
SCALE 1/2"=1'-0" or as noted	BRIDGE 72-212
FILE XS-10-17	DRAWING C-6739-9

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.  
DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Title]*



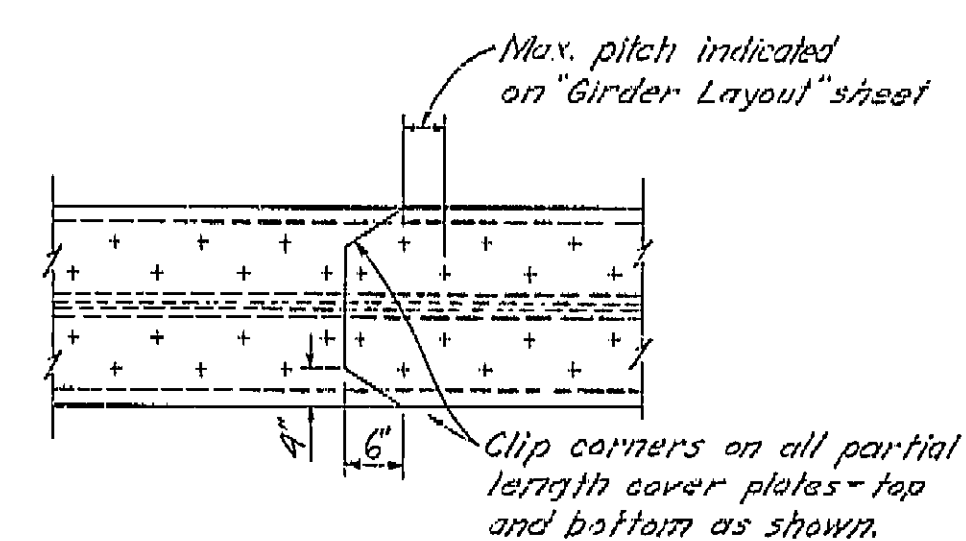


SECTION C-C

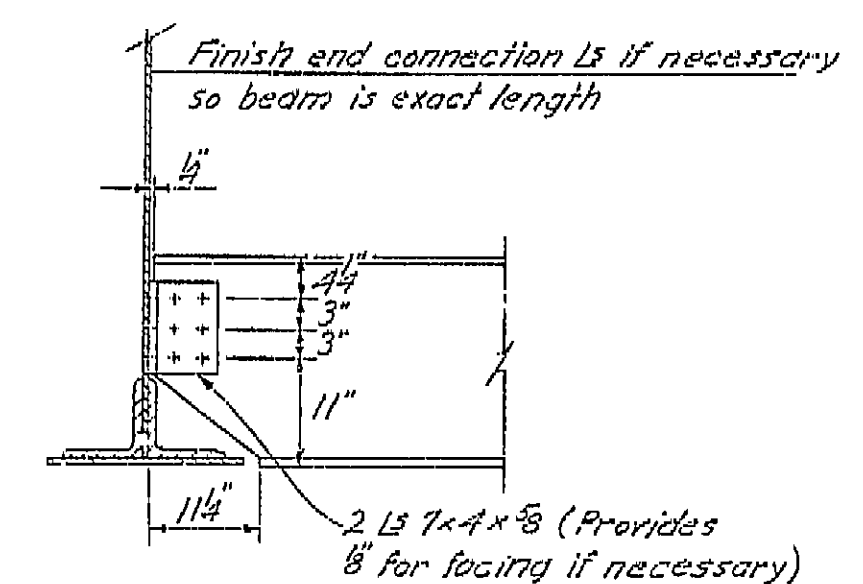
END OF GIRDER  
TYPICAL EXCEPT AS NOTED

Web splice to be used at option  
of contractor:

### GIRDER ELEVATIONS



TYPICAL FLOOR BEAM CONNECTION  
EXCEPT AT BEARING STIFFENERS



SECTION D-D

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
WEST CALWA SPUR UNDERPASS			
GIRDER DETAILS			
SCALE $\frac{3}{8}" = 1'-0"$	BRIDGE 12-212	FILE	DRAWING C-6730-7

GIRDER DETAILS

SCALE  $\frac{3}{4}" = 1'-0"$  BRIDGE 42-212 FILE DRAWING C-6739-7

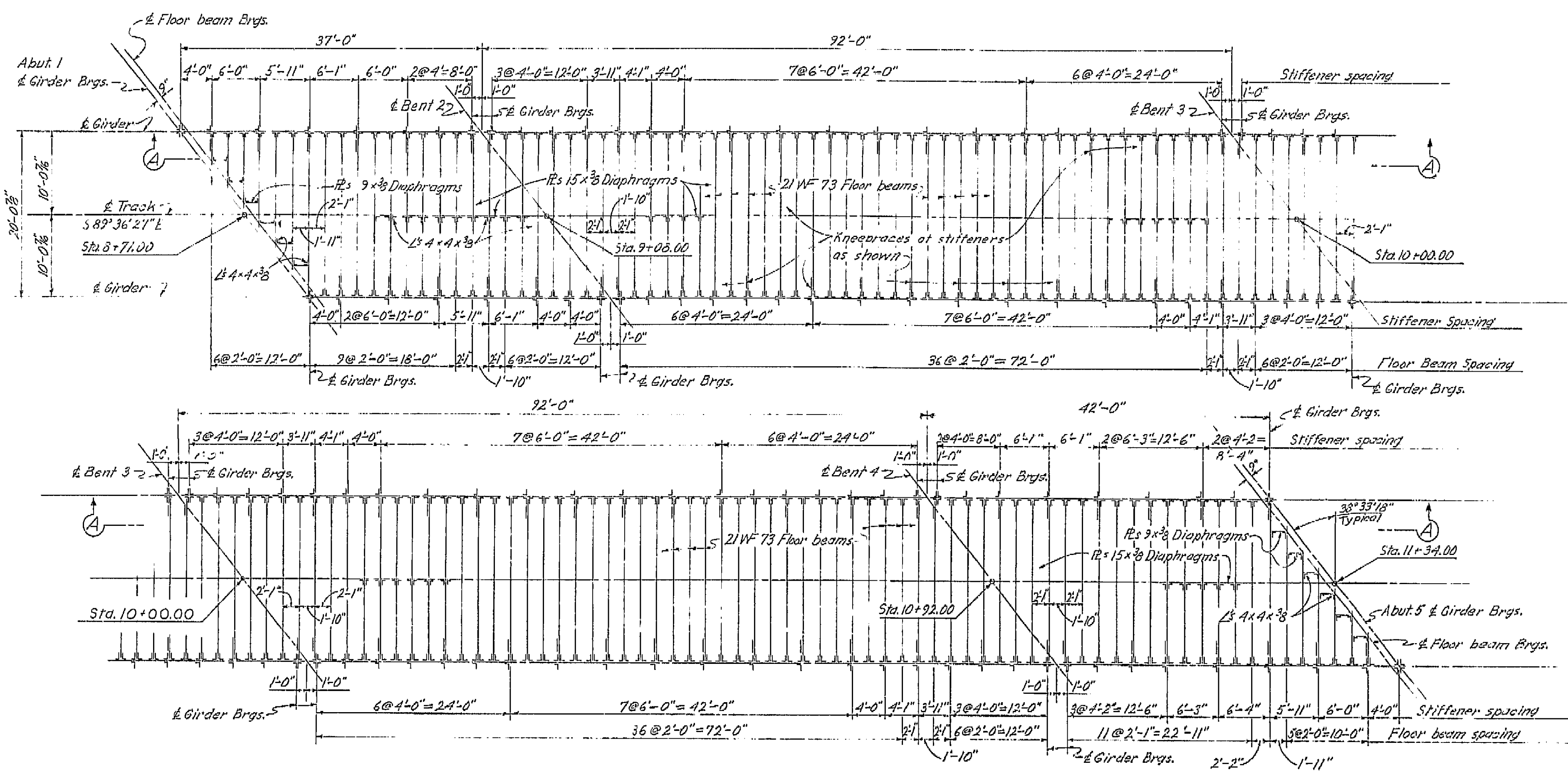
PREL. DRAWING No. P- 6739 5 7X 31 4

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

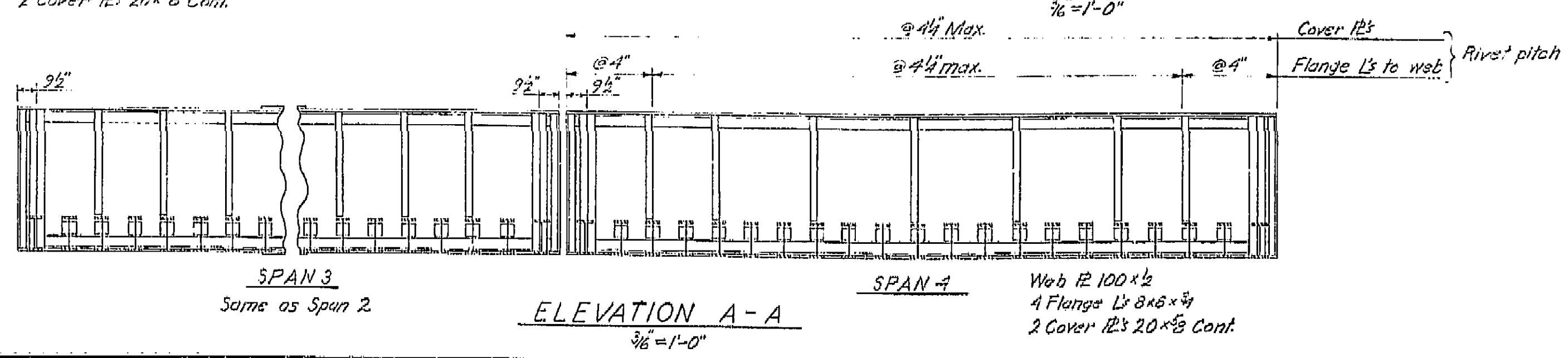
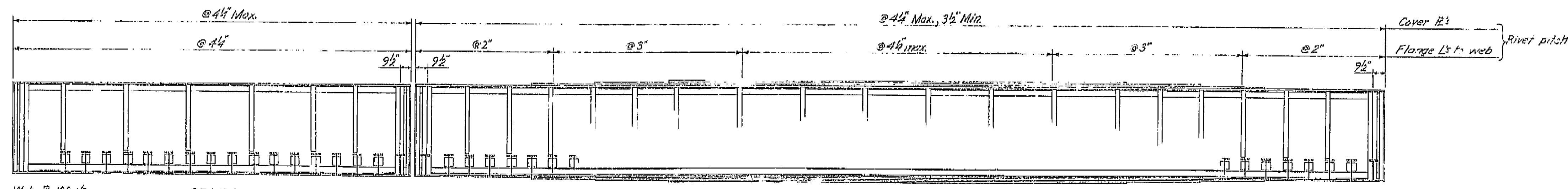
DATE 1-12-72 SIGNATURE [Signature] TITLE Asst. Dir.



DATE APPROVED: August 28, 1961



**AS BUILT PLANS**  
 Contract No. 62-6713C3  
 Date Completed  
 Document No. 60001062



BRIDGE DEPARTMENT			
DESIGN SECTION 2			
Project Designer: <i>[Signature]</i>			
Chief Designer: <i>[Signature]</i>			
DESIGN	By: <i>[Signature]</i>	Checked: W.H.H.	7-60
DETAILS	By: <i>[Signature]</i>	Checked: W.H.H.	7-60
QUANTITIES	By: <i>[Signature]</i>	Checked: M. Camacho	8-60
SPECIFICATIONS	By: <i>[Signature]</i>	Checked: <i>[Signature]</i>	8-60
Approval Recommended by: <i>[Signature]</i>			

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF HIGHWAYS			
WEST CALWA SPUR UNDERPASS			
GIRDER LAYOUT			
SCALE: As Noted	BRIDGE: 42-212	FILE	DRAWING: C-6739-6

I HEREBY CERTIFY THAT THIS IS A TRUE AND ACCURATE COPY OF THE ABOVE DOCUMENT TAKEN UNDER MY DIRECTION AND CONTROL ON THIS DATE IN SACRAMENTO, CALIFORNIA PURSUANT TO AUTHORIZATION BY THE DIRECTOR OF PUBLIC WORKS.

DATE 1-12-72 SIGNATURE *[Signature]* TITLE *[Title]*